



## Chemical Products Catalog Table of Contents

Application Guide	Work in Progress	i-iii
Chemical Products	Completed Document	Page 1
Diversifier's Complimentary Chemical Products		
Product Bulletin		Page 2
The correct chemical for every product		
Price Lists		
Group I Chemicals		Page 3
Group II Chemicals		Page 4
Group III Chemicals (Applicator Guns, Static Mixers & Installation Kits)		Page 5
Data Sheets - Chemicals		
CH-DAS Aqua Seal Hydroactive Grout		Page 6
CH-DAS II Aqua Seal Chemically Activated Foam		Page 7
CH-DBB V Bulkhead Bonder Methylmethacrylate for Studded and Threaded Penetration fittings		Page 8
CH-DBC Bulkhead Cleaner		Page 9
CH-DBF III Bulkhead Fill for filled repair boots and penetrations		Page 10
CH-DEB Epoxy Bonder for Polyglass and Fiberglass Repair Products		Page 11
CH-DFB Fiberglass Bonder for Penetrations Steel and FRP Pipe		Page 12
CH-DGK Glue Kits for Split Repair Products		Page 13
CH-DRP Repair Paste Polysulfide "Tar" or "Paste" for form in place sumps and other repairs		Page 14
CH-DSB Soils Barrier for painting and isolating metal from the soils		Page 15
CH-DSP Super Putty Epoxy Stick for holding back pea gravel while repairs are performed		Page 16
CH-DWAS Water activated sealant for "seal offs" in electrical piping.		Page 17
CH-Gasolia E Thread Sealing Compound		Page 18
CH-DSM Static Mixers		Page 19
CH-DAG & CH-DAG III Applicator Guns		Page 20
Data Sheets - Kits		
CH-DBCIK Installation Kit isolates metal from soils and provides fill for seal offs		Page 21
CH-DEIK Installation Kit for Polysulfide and Fiberglass Repair products		Page 22
CH-SRIK Installation Kit for Split Repair Series with solvent welded seams		Page 23
Installation Instructions		
CH-DAS Aqua Seal		Page 24
CH-DAS II Aqua Seal Chemically Activated Foam		Page 25
CH-DBB V Bulkhead Bonder Methylmethacrylate for Studded and Threaded Penetration fittings		Page 26
CH-DBC II Bulkhead Cleaner		Page 27
CH-DBF III Bulkhead Fill for filled repair boots and penetrations		Page 28
CH-DEB Epoxy Bonder for Polyglass and Fiberglass Repair Products		Page 29
CH-DFB Fiberglass Bonder for Penetrations Steel and FRP Pipe		Page 30
CH-DGK Glue Kits for Split Repair Products		Page 31
CH-DRP Repair Paste Polysulfide "Tar" or "Paste" for form in place sumps and other repairs		Page 32
CH-DSB Soils Barrier for painting and isolating metal from the soils		Page 33
CH-DSP Super Putty Epoxy Stick for holding back pea gravel while repairs are performed		Page 34
CH-DWAS Water activated sealant for "seal offs" in electrical piping.		Page 35
CH-Gasolia E Thread Sealing Compound		Page 36
CH-DAG Applicator Gun for 20 oz (600 ml) Cartridge Sets		Page 37
CH-DAG III Applicator gun for 50 ml cartridge sets		Page 38
CH-DSM I Static Mixer for 600 ml cartridge sets		Page 39
CH-DSM III Static Mixer for most 50 ml cartridge sets		Page 40
CH-DSM IV Static Mixer for DBF III (fill) cartridge set		Page 41
CH-DSM V Static Mixer for DFB Fiberglass bonder cartridge set		Page 42
Installation Instructions - Kits		
CH-DBCIK Installation Kit isolates metal from soils and provides fill for seal offs		Page 43
CH-DEIK Installation Kit for Polysulfide and Fiberglass Repair products		Page 44 & 45
CH-SRIK Installation Kit for Split Repair Series with solvent welded seams		Page 46 & 47
Reference Data		
Roundtable - Third Party Approval		Page 48
N.D. Eryou - Third Party Approval		Page 49-51
Chemicals Wizard for Split Repair Products		Page 52
Chemicals Wizard FGC & FGT Penetrations & Tank Sumps		Page 53
Chemicals Wizard B Series Threaded and Studded Penetrations		Page 54
Chemicals Wizard Sunoco Projects		Page 55
Chemicals Wizard for Split Fiberglass Products		Page 56
Chemicals Resistance Chart		Page 57-60



















Diversified Products Manufacturing, Inc. 5523 Baggett Marysville Road, Oroville, CA 95965







E-Mail: Sales@DPM-lc.com Web: dpm-co.com

Phone: 530-534-3966 Fax 530-534-7404



		Size	Applicator Gun	Static Mixer	
	CH-DAS Links <a href="#">DS</a> Data sheet <a href="#">INI</a> Installation <a href="#">PL</a> Price List	13 oz Cart	Commercial	n/a	Hydroactive Grout Stops water intrusion while Sumps or Penetration fittings are being repaired
	CH-DAS II Links <a href="#">DS</a> Data sheet <a href="#">INI</a> Installation <a href="#">PL</a> Price List	50 ml 600 ml	CH-DAG III CH-DAG	CH-DSM III CH-DSM I	Hydroactive Grout Stops water intrusion while Sumps or Penetration fittings are being repaired
	CH-DBC II Links <a href="#">DS</a> Data sheet <a href="#">INI</a> Installation <a href="#">PL</a> Price List		n/a	n/a	Aerosol Cleaner for all bonding surfaces
	CH-DEB Links <a href="#">DS</a> Data sheet <a href="#">INI</a> Installation <a href="#">PL</a> Price List	50 ml Bulk 13 oz Bulk 5# Bulk 15#	CH-DAG III	CH-DSM III	Two part epoxy bonder for use with Polyglass and fiberglass repair products
	CH-DSP Links <a href="#">DS</a> Data sheet <a href="#">INI</a> Installation <a href="#">PL</a> Price List	4 oz Stick	n/a	n/a	Epoxy stick. Activate by hand kneading. For use to block backfill from entering a sump while repairs are
	CH-DFB Links <a href="#">DS</a> Data sheet <a href="#">INI</a> Installation <a href="#">PL</a> Price List	50 ml	CH-DAG III	CH-DSM V	Epoxy Bonder designed specifically to bond Fiberglass to Steel and Stainless steel as well as a host of other
	CH-DGK Links <a href="#">DS</a> Data sheet <a href="#">INI</a> Installation <a href="#">PL</a> Price List	4 oz 16 oz	n/a	n/a	Solvent weld to bond split repair products such as test reducers when split to wrap around pipes.
	CH-DBB V Links <a href="#">DS</a> Data sheet <a href="#">INI</a> Installation <a href="#">PL</a> Price List	50 ml	CH-DAG III	CH-DSM-III	Specially formulated Methylmethacrylate to be used with Diversified's Threaded and studded Penetration Fittings.

	CH-DRP	32 oz 1 1/2 Gallon	n/a	n/a	Polysulfide "Tar" or "Paste" used to coat all substrates for protection from live fuel to fuel vapors.
	Links <a href="#">DS</a> Data sheet <a href="#">INI</a> Installation <a href="#">PL</a> Price List				
	CH-DSB II	4 oz	n/a	n/a	Soils Barrier Paint to isolate all substrates from soils corrosion.
	Links <a href="#">DS</a> Data sheet <a href="#">INI</a> Installation <a href="#">PL</a> Price List				
	CH-DWAS	n/a	n/a	n/a	Sealing compound used in "seal offs" in electrical installations
	Links <a href="#">DS</a> Data sheet <a href="#">INI</a> Installation <a href="#">PL</a> Price List				
	CH-DEIK	n/a	n/a	n/a	Kit with all the products to install split repair boots, includes cleaner CH-DBC II, CH-DEB Bulk 13, Super Putty CH-DSP-4, Spatula, sanding, gloves. Individually boxed.
	Links <a href="#">DS</a> Data sheet <a href="#">INI</a> Installation <a href="#">PL</a> Price List				
	CH-DBCII	n/a	n/a	n/a	Bonded Conduit Installation Kit isolates conduits from soils and provides fill for Seal off's.
	Links <a href="#">DS</a> Data sheet <a href="#">INI</a> Installation <a href="#">PL</a> Price List				
	CH-SRIK	n/a	n/a	n/a	Split Repair Installation Kit Includes: CH-DBB V 50 ml with two static mixers, CH-DGK-4 Solvent Weld, CH-DBC II Aerosol Cleaner, CH-DSP-4 Super Putty, scouring pad, gloves, Installation Instructions.
	Links <a href="#">DS</a> Data sheet <a href="#">INI</a> Installation <a href="#">PL</a> Price List				
	CH-DBF III	22 oz	CH-DAG	CH-DSM I	Bulkhead Fill, polyurea liquid for filling split repair boots and filled penetration fittings.
	Links <a href="#">DS</a> Data sheet <a href="#">INI</a> Installation <a href="#">PL</a> Price List				
	CH-Gasolia E	n/a	n/a	n/a	Gasolia E Thread sealant compound.
	Links <a href="#">DS</a> Data sheet <a href="#">INI</a> Installation <a href="#">PL</a> Price List				

	<p>CH-DAG CH-DAG-P or B Links</p> <p><b>DS</b> Data sheet <b>INI</b> Installation <b>PL</b> Price List</p>	<p>Hand Pneumatic Battery</p>	n/a	<p>CH-DSM I CH-DSM I CH-DSM I</p>	<p>Applicator gun used with 600 ml twin tube cartridges</p>
	<p>CH-DAG III Links</p> <p><b>DS</b> Data sheet <b>INI</b> Installation <b>PL</b> Price List</p>	<p>Hand</p>	n/a	<p>DSM III DSM IV DSM V</p>	<p>Applicator gun used with 50 ml twin tube cartridges.</p>
	<p>CH-DSM I Links</p> <p><b>DS</b> Data sheet <b>INI</b> Installation <b>PL</b> Price List</p>		n/a	<p>CH-DBF III</p>	<p>Static Mixer for CH-DAS 600 ml Cartridges</p>
	<p>CH-DSM III Links</p> <p><b>DS</b> Data sheet <b>INI</b> Installation <b>PL</b> Price List</p>		n/a		<p>Static Mixer for most 50 ml cartridges</p>
	<p>CH-DSM IV Links</p> <p><b>DS</b> Data sheet <b>INI</b> Installation <b>PL</b> Price List</p>		n/a	<p>CH-DBF III</p>	<p>Static Mixer for 600 ml Cartridge Set for CH-DBF III</p>
	<p>CH-DSM V Links</p> <p><b>DS</b> Data sheet <b>INI</b> Installation <b>PL</b> Price List</p>		n/a	<p>CH-DFB-50ml</p>	<p>Static Mixer for CH-DFB-50ml Cartridges</p>



*"Better By Design"*

## Chemicals - Bonding and Cleaning for the Petroleum Equipment Industry

### Features



#### All Configurations Available

- A Bonder for every DPM Material
- Available in bulk where appropriate

### Benefits



#### Proven Technology works

- No searching for the right materials
  - Available from stock
- Over 30 years application experience in this industry

### Applications



- Bonding Repair fittings
- Bonding Fiberglass Penetration Fittings
- Bonding Fiberglass Tank Sumps



EQ-742 EQ-801 EQ-836





# The right bonder For Every Application In The Market

Diversified Products Manufacturing Inc now offers a solution to the problem at a competitive price.



Fill for repair and penetrations

**CH-DBF III**



Epoxy packaged up to 15#

**CH-DEB**



Fiberglass Epoxy Bonder

**CH-DFB**



Cleaner

**CH-DBC II**



Super Putty

**CH-DSP**



Aqua Seal

**CH-DAS**

Review our other products: Solvent Weld, Gasolia E and many more.

Third Party Approved to UL 2447 Protocols

Call us for a sample or test site

We have been here since 1991

First Testable Penetration, Magnetic Tank Sump Lid, Compact Penetration, & now all the chemical options you need for new construction and repair products

**CHECK IT OUT**

Call a Diversified representative to discuss your project needs. 530-534-3966



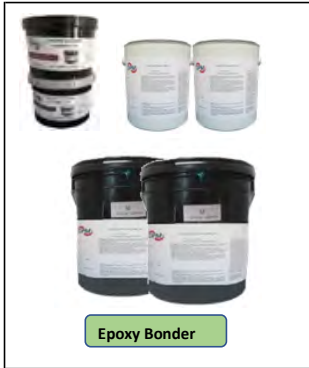
Diversified Fiberglass Bonder for Fiberglass Penetrations and Repair Kits



Fiberglass Epoxy

Part #	Description	List Price
CH-DFB-50ml	50ml Cart Set Epoxy Fiberglass Bonder for Penetrations includes one CH-DSM-V Static Mixer. Use with CH-DAG-III and CH-DSM-V	\$104.12
CH-DSM-V	Static Mixer for use with CH-DFB-50ml This is a fast curing Product. Additional Static Mixers may be required.	\$15.76
CH-DAG III	Plastic Applicator Gun for use with 50ml Cartridge Sets	\$142.49
CH-DAG III M	Metal Applicator Gun for use with 50ml Cartridge Sets	\$192.50

Diversified Bonder for Tank Sump Seams & Repair fittings



Epoxy Bonder

Part #	Description	List Price
CH-DEB Bulk 13 oz	Epoxy Bonder 13 oz Bulk two 6.5 oz Containers	\$110.26
CH-DEB Bulk 5#	Epoxy Bonder 5# two 2.5# Containers	\$612.50
CH-DEB Bulk 15#	Epoxy Bonder 15# two 7.5# Containers	\$2,113.12

\$50 Hazmat fee on air shipments  
**Red Background**

No Shipping Restrictions  
**Green Background**

Diversified Methylmethacrylate Bonder for Bonding B2 to B6 and 4 Stud to 12 Stud Penetrations and Repair Fill Materials



Bonder for flexible penetrations

Fill for repair & penetration fittings

Part #	Description	List Price
CH-DBB V-50ml	Methyl methacrylate Bonder for Penetration fittings B-2 through B-6 and 4 Stud through 12 Stud Penetrations	\$42.28
CH-DSM III	Static Mixer for CH-DAS II 50ml	\$8.14
CH-DAG III	Plastic Applicator Gun for use with 50ml Cartridge Sets	\$142.49
CH-DAG III M	Metal Applicator Gun for use with 50ml Cartridge Sets	\$192.50
CH-DBF III	Bulkhead Fill for Repair Products and Filled Penetrations 600 ml Twin Tube Cartridge Set	\$104.12
CH-DSM IV	Static Mixer for 600 ml Cartridge Sets	\$23.33
CH-DAG	Applicator Gun for 600ml Cartridge Sets	\$203.53
SR-RFA	Remote fill assembly for use with CH-DBF III	\$30.62

Diversified Aqua Seal for temporarily stopping live water entering a sump while repairing penetrations.



Water Stop Products

Part #	Description	List Price
CH-DAS	Aqua Seal Tube of Hydro active Grout	\$134.76
CH-DAS-II 50ml	Chemically Active Aqua Seal Foam 50ml Use with CH-DAG III & CH-DSM-III	\$38.74
CH-DSM III	Static Mixer for CH-DAS II 50ml	\$8.14
CH-DAG III	Plastic Applicator Gun for use with 50ml Cartridge Sets	\$142.49
CH-DAG III M	Metal Applicator Gun for use with 50ml Cartridge Sets	\$192.50



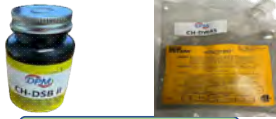




Diversified Miscellaneous Chemicals



Cleaner, Epoxy Stick & Solvent Weld



Products for Conduits



Thread Sealant

Part #	Description	List Price
CH-DBC II	Diversified Bulkhead Cleaner 12 oz Aerosol	\$20.36
CH-DSP-4oz	Diversified Super Putty 4 oz	\$33.91
CH-DGK-4	Diversified 4 oz Solvent Weld for split repair fittings	\$79.16
CH-DSB-II	Diversified Soils Barrier 4 oz used for coating conduits and other products.	\$37.25
CH-DWAS	Diversified Sealing Compound used to fill Seal Offs in electrical conduit systems	\$56.36
CH-Gasolia E	Diversified Thread Sealant Gasolia E	\$31.92



\$50 Hazmat fee on air shipments



No Shipping Restrictions

Diversified Polysulfide



32 oz DRP Polysulfide Paste



1 1/2 Gallon Polysulfide Paste

Part #	Description	List Price
CH-DRP-32	Diversified Polysulfide Repair Paste 32 oz can	\$273.42
CH-DRP-1 1/2	Diversified Polysulfide Repair Paste 1 1/2 Gallon	\$1,242.82



Diversified Products Manufacturing  
5523 Baggett Marysville Road Oroville CA 95965  
530-534-3966 - www.dpm-co.com - Order Entry Email: sales@dpm-llc.com





Diversified Applicator Guns



Applicator Guns

Part #	Description	List Price
CH-DAG	Applicator Gun for 600 ml Twin Tube Cartridges	\$203.53
CH-DAG-P	Pneumatic App Gun for 600ml Twin tube Cartridges	Call
CH-DAG-B	Battery App Gun for 600ml Twin tube Cartridges	Call
CH-DAG III	Plastic App Gun for 50ml Twin tube Cartridges	\$142.49
CH-DAG III-M	Metal App Gun for 50ml Twin tube Cartridges	\$192.50

Diversified Static Mixers for 50ml & 600ml Cartridges



Static Mixers

Part #	Description	List Price
CH-DSM-1	Static Mixer for 600 ml twin Tube Cartridges	\$8.14
CH-DSM III	Static Mixer for 50ml Cartridges	\$8.14
CH-DSM IV	Static Mixer for CH-DBF III Cartridges	\$23.33
CH-DSM V	Static Mixer for CH-DFB 50 ml Cartridges	\$15.76



\$60 Hazmat fee on air shipments



No Shipping Restrictions

Diversified Chemical Installation Kits



Part #	Description	List Price
CH-SRIK	Split Repair Installation Kit for 4 to 12 Stud Penetration fittings. Includes: DBB V-50ml, two DSM III static mixers, DGK-4 Solvent Weld, DSP-4 Super Putty, DBC II Cleaner, Scouring pad, gloves, Instructions	\$355.26
CH-DEIK-13	Epoxy Installation Kit for Polyglass Repair Fittings Includes: DEB Bulk 13, DSP-4 Super Putty, DBC II Cleaner Spatula, paint brush, gloves.	\$355.26
CH-DBCIIK	Bonded Conduit Installation Kit Includes: DSB II Solis Barrier, DBC II Cleaner, DWAS Epoxy for Seal off's, DSP-40 Super Putty, Gloves & Rags	\$355.26



Diversified Products Manufacturing  
5523 Baggett Marysville Road Oroville CA 95965  
530-534-3966 - www.dpm-co.com - Order Entry Email: sales@dpm-llc.com





## "Better By Design"

# Diversified Aqua Seal CH-DAS

### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



**CH-DAS Hydroactive Grout**

CH-DAS is activated by water in the soils. The grout expands preventing water from entering the sump while repairs are made.

CH-DAS is dispensed with a commercial caulk gun available from most hardware stores.

CH-DAS empty cartridges are considered dumpster disposable in most locations

### Physical Properties - Liquid

<b>Viscosity</b>
<b>Specific Gravity</b>
<b>Color</b>
<b>Flash Point</b>
<b>Boiling Point</b>

Not determined
1.04
Amber
32 C/270 F
260 C/500 F



### Third Party Approvals



EQ-742 EQ-801 EQ-836



THIRD-PARTY UL 2447

### Products Used on this Project



## "Better By Design"

# Diversified Aqua Seal CH-DAS II

### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



**CH-DAS II Chemically Activated Foam**

A chemically activated and works better with sandy soils than the CH-DAS.

Available in a 50ml cartridge set and is applied with a CH-DAG III with CH-DSM III static Mixers.

Polyurethane with no ozone depleting, or hazardous blowing agents

Expands approximately 25 times

Designed to stop live water from entering a sump while repairs are being performed

### Physical Properties - Liquid

	Part A	Part B	Test Method
Viscosity	250 cps	800 cps	ASTM D-1638
Specific Gravity	1.23	1.1	ASTM D-1475
Color	Dark Amber	Light Amber	
Flash Point	>250 F	> 250 F	ASTM D-92

### Physical Properties - Solid/Cured

Density	3 lbs/ft	ASTM D-1622
Compressive Strength	40 PSI	ASTM D-1621
Tensile	75 PSI	ASTM D-638
Shear Strength	30 PSI	ASTM D-732
Water Absorption	<2% (by volume)	ASTM D-2842

### Typical Reaction Profile

Expansion with a mixture ratio 1:1  
 77 F approx. 2 Min  
 50 F approx. 4 Min



### Third Party Approvals



### Products Used on this Project



## "Better By Design"

### Diversified Bulkhead Bonder CH-DBB V

#### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



Proprietary Methylmethacrylate formulated to be used on B2-B6 and 4 stud to 12 stud Penetrations.

Adheres to both Fiberglass and Poly sumps.

Clean with CH-DBC II cleaner prior to installation.



\$50 Hazmat fee on air shipments

#### Benefits

- Excellent Strength
- Impact Resistant
- 100% Reactive
- Room Temperature Cure
- Easily Applied

#### Physical Properties - Uncured

	Resin	Activator
Viscosity	70000	50000
Color	Off White	Amber shell
Mixed Density		8.2
Mixed Ratio Volume		1:1
Mixed Ration Weight		1:1
Thix Index		5
Flash Point		51 F

#### Physical Properties - Cured

	Shear 2500-3500	Tensile 3000-3500
Strength (PSI)		
Work Time		30 minutes
Handling Strength		90 minutes
Temperature Range		-67 F to 250 F

#### Effects of Temperature

CH-DBB V is best used at temperatures between 65F and 80F. Temperature below 65F will slow cure speed of the material and viscosities will be higher. Temperatures above 80F will cause the material to cure faster and viscosities will be lower. For consistent dispensing, maintain temperature in the above stated range.

#### Third Party Approvals



EQ-742 EQ-801 EQ-836



THIRD-PARTY UL 2447

#### Products Used on this Project



Diversified Products Manufacturing  
5523 Baggett Marysville Road - Oroville CA. 95965 USA  
530-534-3966 - www.dpm-co.com - 530-534-7404 Order Entry Fax





## "Better By Design"

### Diversified Bulkhead Cleaner CH-DBC II

#### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



HMIS Hazard Rating	
0-Mineral	A-Goggles
1-Slight	B-Goggles, gloves
2-Moderate	C-Goggles, Gloves
3-Severe	Protective Wear

Non Chlorinated Aerosol for use on Diversified's fiberglass & thermoplastic new construction and repair products

Removes Silicon residue left after the injection molded Products.

Health	2
Flammability	3
Reactivity	0
Protective Wear	B

Effective Cleaner for Fiberglass and HDPE sumps

Contains Heptane Isomers, Acetone and Carbon Dioxide is a flammable Aerosol and is under Pressure

#### Physical Properties

Color  
 Odor  
 Odor Threshold  
 Specific Gravity  
 Initial Boiling Point  
 Freezing Point  
 Vapor Pressure  
 Evaporation Rate  
 Solubility  
 Coefficient of water/oil Distribution  
 pH  
 Stability

Clear Colorless  
 Solvent  
 N/D  
 0.78  
 132 F  
 < 100 F  
 N/D  
 Fast  
 Slightly Soluble in water  
 N/D  
 N/A  
 Stable

#### Third Party Approvals



EQ-742 EQ-801 EQ-836



THIRD-PARTY UL 2447

#### Products Used on this Project



Diversified Products Manufacturing  
 5523 Baggett Marysville Road - Oroville CA. 95965 USA  
 530-534-3966 - www.dpm-co.com - 530-534-7404 Order Entry Fax



## "Better By Design"

### Diversified's Bulkhead Fill CH-DBF III

#### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



CH-DBF III is a polyurea liquid used for filling Split repair boots and double sided filled penetration fittings.

CH-DBF III is shipped with two static mixers. To order additional mixers specify CH-DSM-IV

CH-DBF III is a fast curing Polyurea. Reduces wait time for curing. Hydrostatic tests within 1 hour of filling.

CH-DBF III may be used with remote fill assemblies

Hazards Part A	
Target Organ Toxicity Single Exposure	3
Target Organ Toxicity Repeated Exposure	2
Skin Irritation	2
Eye Irritation	2A
Respiratory Sens	1
Skin Sensitizer	1
Carcinogenicity	2

Hazards Part B	
Target Organ Toxicity Single Exposure	1
Target Organ Toxicity Repeated Exposure	2
Skin Irritation	3
Eye Irritation	2A
Carcinogenicity	2
Acute aquatic toxicity	3
Chronic aquatic toxicity	3

Physical & Chemical Properties			
Part A		Part B	
Color	Clear Liquid	Color	Pigmented Liquid
Odor	Mid Aeromatic	Odor	Mild Chemical
pH	N/A	pH	N/A
Density	9.48 lb/gal	Density	9.15 lb/gal
Flammability Class	N/A	Flammability Class	N/A
Specific Gravity	1.14	Specific Gravity	1.1
VOC regulatory	0.00 lb/gal	VOC regulatory	0.00 lb/gal
Flash Point	200 Deg F	Flash Point	275 Deg F

#### Third Party Approvals



#### Products Used on this Project



Diversified Products Manufacturing  
 5523 Baggett Marysville Road - Oroville CA. 95965 USA  
 530-534-3966 - www.dpm-co.com - 530-534-7404 Order Entry Fax



## "Better By Design"

### Diversified's Epoxy Bonder CH-DEB

#### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



CH-DEB Bulk 13oz



CH-DEB Bulk 15#



CH-DEB Bulk 5#

CH-DEB is a thixotropic, modified, two-component epoxy adhesive.

Two part adhesive has high peel strength coupled with excellent shear strength.

Recommended for flexible penetration fittings, split repair products, fiberglass and poly sumps, retrofit Lids and a host of Diversified's other products.

#### Product Characteristics

Technology	Epoxy
Chemical Type	Epoxy
Appearance -Resin	White
Appearance-Hardener	Black
Appearance -Mixture	Grey
Components	Resin + Hardener
Mix Ratio by Weight	1 Resin : 1 Hardener
Mix Ration by Volume	1 Resin : 1 Hardener
Cure	Room Temp after Mixing
Secondary Cure	Heat
Application	Bonding
Specific Benefits	Non Sag Slump Resistant
	Smooth Paste
	Easy to Mix
	Easy to Dispense
	Extended Working Life
	Quick Heat Response
	Resistance to Fuels
	Impact Resistant
	Fatigue Resistant

#### Environmental Resistance

Environment	Deg C	% of Initial Strength 720 h
Air	25	100
Water	54	75
Salt fog	35	63
Water/Glycol 50/50	130	50
ATF	25	100
ATF	82	100
Brake Fluid	25	100
Winshield Fluid	25	88
Motor Oil 10W40	25	100
Motor Oil 10W40	141	100
Gasoling Unleaded	25	100
Diesel Fuel	25	100
100% RH	38	75



\$50 Hazmat fee on air shipments

#### Third Party Approvals



#### Products Used on this Project



Diversified Products Manufacturing  
 5523 Baggett Marysville Road - Oroville CA. 95965 USA  
 530-534-3966 - www.dpm-co.com - 530-534-7404 Order Entry Fax







# Diversified Products Manufacturing



## "Better By Design"

### Diversified's Fiberglass Bonder CH-DFB

#### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



CH-DFB is a Structural Hybrid Adhesive formulated to meet the demands of bonding fiberglass to a large number of other materials.

CH-DFB is especially effective at bonding fiberglass to fiberglass and fiberglass to metals (stainless steel).

CH-DFB is fast drying allowing additional work to be performed after 1 hour of curing. Complete cure after 24 hours.

CH-DFB is available in 50 ml cartridge sets w/ 1 static Mixer. For additional static mixers specify CH-DSM-V.

Hazard Class	Hazard Category
Flammable Liquid	4
Eye Irritation	2B
Specific Target Organ Toxicity-Single Exposure	3



Physical & Chemical Properties			
Physical State	Liquid	Flash Point	176F - 199.4F
Color	Colorless to light yellow	Flammable LEL	Not Available
Odor	Sharp, Irritating	Flammable UEL	Not Available
Odor Threshold	Not Available	Autoignition temp.	Not Available
pH	Not Available	Evaporation Rate	Not Available
Vapor Pressure	<700 mbar (122 F)	Solubility	Insoluble
Boiling Point	Not Available	Partition Coefficient	Not Available
Melting Point	Not Available	VOC Content	< 2%; <20 g/l estimated
Specific Gravity	1.01-1.06	Viscosity	4000-7000 mPa.s
Vapor Density	Not Available	Decomposition Temp	Not Available

#### Third Party Approvals



EQ-742 EQ-801 EQ-836



#### Products Used on this Project



Diversified Products Manufacturing  
5523 Baggett Marysville Road - Oroville CA. 95965 USA  
530-534-3966 - www.dpm-co.com - 530-534-7404 Order Entry Fax





## "Better By Design"

# Diversified Glue Kit CH-DGK-4

### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



\$50 Hazmat fee on air shipments

Solvent Weld Glue Kit for bonding split repair products.

Kits include CH-DGK-4 solvent weld, SDS, Gloves and Applicator Bottle

Third Party approved to UL 2447 Protocols

Product is a pregnant solution of materials matching the host material to be welded. The dissolved solids deposit in the repaired seam as the VOC's drive off.

Properly welded joints cannot be pulled apart by hand.

### Chemical and Physical Properties - Liquid

Appearance
Color
Odor
pH
Softening Point
Upper/Lower Explosive Limits
Vapor Pressure
Density
Bulk Density
Water solubility
Auto-Ignition Temp
Viscosity/Dynamic

Granular
Different depending on coloration
Almost Odorless
N/A
120 C
N/A
N/a
1.2 g/cu cm
500-700 kg/cu m
Practically Insoluble
N/A
N/A

### Third Party Approvals

### Products Used on this Project



EQ-742 EQ-801 EQ-836



THIRD-PARTY UL 2447



Diversified Products Manufacturing  
5523 Baggett Marysville Road - Oroville CA. 95965 USA  
530-534-3966 - www.dpm-co.com - 530-534-7404 Order Entry Fax





## "Better By Design"

### Diversified's Repair Paste CH-DRP-32 & CH-DRP-1 1/2

#### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



CH-DRP 32 oz



CH-DRP 1 1/2



No Shipping Restrictions

CH-DRP is a polysulfide used for protection form fuel and other hydrocarbons.

CH-DRP has paste or tar type of consistency and is spread with a putty knife or trowel.

May be used to coat any material to provide a water and fuel barrier.

May be used to create a sump directly in pea gravel or soils.

HMIS Hazard Rating Part A	
0-Mineral	A-Goggles
1-Slight	B-Goggles & Gloves
2-Moderate	C-Goggles, Gloves
3-Severe	Protective Wear
Health	0
Flammability	1
Physical Hazard	0
Protective Wear	A-Goggles

HMIS Hazard Rating Part B	
0-Mineral	A-Goggles
1-Slight	B-Goggles & Gloves
2-Moderate	C-Goggles, Gloves
3-Severe	Protective Wear
Health	2
Flammability	1
Physical Hazard	0
Protective Wear	A-Goggles

Physical & Chemical Properties			
Part A		Part B	
Color	Grey when mixed with Part B	Color	Grey when mixed with Part A
Odor	Slight	Odor	Slight
pH	Not available	pH	Not available
Density	Not Available	Density	1.32 g/cm3
Flammability Class	Combustible III B Estimated	Flammability Class	Combustible III B Estimated
Oxidizing Properties	Non Oxidizing	Oxidizing Properties	Non Oxidizing
Specific Gravity	1.76 Estimated	Specific Gravity	1.32 Estimated
VOC (Weight %)	0 g/l mixed components	VOC (Weight %)	0 g/l mixed components
Flash Point	201.0 Deg F	Flash Point	200.0 Deg F Estimated

#### Third Party Approvals



EQ-742 EQ-801 EQ-836



THIRD-PARTY UL 2447

#### Products Used on this Project



Diversified Products Manufacturing  
5523 Baggett Marysville Road - Oroville CA. 95965 USA  
530-534-3966 - www.dpm-co.com - 530-534-7404 Order Entry Fax



## "Better By Design"

### Diversified's Soils Barrier CH-DSB II

#### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



Soils Barrier is a liquid use as a paint to isolate conduits and other products from soils.

Soils Barrier is available on 4 oz bottle with integral brush.



\$50 Hazmat fee on air shipments

HMIS Hazard Rating	
0-Mineral	A-Goggles
1-Slight	B-Goggles & Gloves
2-Moderate	C-Goggles, Gloves
3-Severe	Protective Wear
Health	2
Flammability	3
Physical Hazard	0
Protective Wear	B

#### Chemical and Physical Properties - Liquid

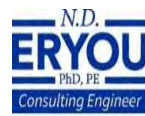
Physical State
Color
Odor
pH
Freezing Point
Upper/Lower Explosive Limits
Vapor Pressure
Auto Ignition Temperature
Bulk Density
Specific Gravity
VOC
Viscosity/Dynamic

Liquid
N/A
N/A
N/A
-123 F Estimated
Lower 1.8% estimated Upper 10% Estimated
49.87 hPa estimated
759 F estimated
7.12 lbs./gal
0.85
5.284 lbs./gal regulatory
N/A

#### Third Party Approvals



EQ-742 EQ-801 EQ-836



#### Products Used on this Project



Diversified Products Manufacturing  
 5523 Baggett Marysville Road - Oroville CA. 95965 USA  
 530-534-3966 - www.dpm-co.com - 530-534-7404 Order Entry Fax





## "Better By Design"

### Diversified's Super Putty CH-DSP 4

#### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



No Shipping Restrictions

Made with epoxy resin with a strip of hardener in the center.

Steel hard bond in 20 minutes

Works on wet surfaces and under water

Non conductive for electrical installations

After curing, may be drilled, filled, sanded, painted and machined.

Often used to hold back pea gravel or backfill when a penetration fitting must be removed to create a sump repair

Meets NSF Standard 61 for health effects and is safe with potable water

Not recommended as a permanent repair on polyethylene, polypropylene or polybutylene.

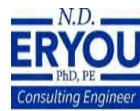
#### Physical Properties

Density	15.8 lb./gal
Compression Strength	18,000 psi
Tensile Strength	6,000 psi
Modulus of Elasticity	6 x 10 <sup>5</sup> psi
Shear Strength	700 psi
Izod Impact	0.3 ft-lb/in of notch
Hardness (Shore D)	85
Maximum use Temperature	300 F
Color	Grey when mixed
Odor	Mercaptan Odor
Volume Resistivity	5x10 <sup>15</sup> ohm-cm
Dialectric Strength	400 volts/mil @ 0.125 in

#### Third Party Approvals



EQ-742 EQ-801 EQ-836



THIRD-PARTY UL 2447

#### Products Used on this Project



Diversified Products Manufacturing  
5523 Baggett Marysville Road - Oroville CA. 95965 USA  
530-534-3966 - www.dpm-co.com - 530-534-7404 Order Entry Fax





## "Better By Design"

### Diversified's Water Activated Sealant CH-WAS

#### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



Pre-packaged Water activated Epoxy Sealant for seal offs in Engineered Systems.

Sufficient material for 3-4 3/4" seal off's

Used with CH-DSP Super Putty to completely isolate wiring systems in class I Div I locations.

HMIS Hazard Rating	
0-Mineral	A-Goggles
1-Slight	B-Goggles & Gloves
2-Moderate	C-Goggles, Gloves
3-Severe	Protective Wear
Health	1
Flammability	0
Physical Hazard	0
Protective Wear	B

#### Physical Properties & Chemical Properties

Form  
 Color  
 Odor  
 pH  
 Specific Gravity  
 Solubility in Water

Powder  
 Gray  
 Odorless  
 Approximately 9  
 2.7  
 Slightly soluble

#### Third Party Approvals



EQ-742 EQ-801 EQ-836



THIRD-PARTY UL 2447

#### Products Used on this Project



Diversified Products Manufacturing  
 5523 Baggett Marysville Road - Oroville CA. 95965 USA  
 530-534-3966 - www.dpm-co.com - 530-534-7404 Order Entry Fax





## "Better By Design"

### Diversified's Thread Sealant CH-Gasolia E

#### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



Gasolia E is used on all Diversified Engineered Systems.

Gasolia E is a required product to maintain UL listings on Emco 2" Shear Valves

Designed specifically for Ethanol blended Gasoline.

Non hardening non separating pipe thread sealant.

HMIS Hazard Rating	
0-Mineral	A-Goggles
1-Slight	B-Goggles & Gloves
2-Moderate	C-Goggles, Gloves
3-Severe	Protective Wear
Health	1
Flammability	2
Instability	0
Protective Wear	None

#### Physical & Chemical Properties

Physical Stage
Appearance
Color
Odor
pH
Flash Point
Specific Gravity
Water Solubility
Flammability

Liquid
Viscous Liquid
Dark Green
Mild Alcoholic
N/A
98F (Closed Cup)
1.44
None
N/A-Liquid

#### Third Party Approvals



EQ-742 EQ-801 EQ-836



THIRD-PARTY UL 2447

#### Products Used on this Project



Diversified Products Manufacturing  
5523 Baggett Marysville Road - Oroville CA. 95965 USA  
530-534-3966 - www.dpm-co.com - 530-534-7404 Order Entry Fax



## "Better By Design"

### Diversified's Static Mixers CH-DSM I, CH-DSM III, CH DSM IV & CH-DSM V

#### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



CH-DSM I

CH-DSM I is used with CH-DAG for use with most 600 ml cartridges. (CH-DAS 600ml)



CH-DSM III

CH-DSM III is used with CH-DAG III for DBB V, CH-DAS II 50ml,



CH-DSM IV

CH-DSM IV is used with CH-DAG for DFB III polyurea fill applications



CH-DSM V

CH-DSM V is used with CH-DAG III for Fiberglass Bonding applications. CH-DFB

#### Third Party Approvals



#### Products Used on this Project





## "Better By Design"

### Diversified's Applicator Guns CH-DAG & CH-DAG III

#### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



CH-DAG

DAG manual gun used with 600ml CH-DFB III for filling penetrations and repair boots.

CH-DAG P



DAG-P Pneumatic gun used with 600 ml CH-DFB III for filling penetrations and repair boots.



CH-DAG B

DAG-B Battery operated gun used with 600 ml CH-DFB III for filling penetrations and repair boots.



CH-DAG III M



CH-DAG III

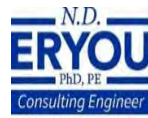
CH-DAG III Manual gun used with 50 ml cartridge sets or filling penetrations and repair boots.

CH-DAG III M Metal manual gun used with 50 ml cartridge sets or filling penetrations and repair boots.

#### Third Party Approvals



EQ-742 EQ-801 EQ-836



THIRD-PARTY UL 2447

#### Products Used on this Project



Diversified Products Manufacturing  
5523 Baggett Marysville Road - Oroville CA. 95965 USA  
530-534-3966 - www.dpm-co.com - 530-534-7404 Order Entry Fax





## "Better By Design"

# Diversified's Bonded Conduit Installation Kit CH-DBCIK

### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



CH-DBC II

This kit is used when installing a bonded conduit and electrical alarm conduits are run to the outside of the sump.

CH-DBC cleaner is used to clean all surfaced prior to bonding or painting.



CH-DSB II

CH-DSB is used to paint all exposed conduits to isolate the metal from water and soil attack.



CH-DWAS

CH-DWAS is used fill "seal off's" in electrical systems. Normally alarm sensor wiring.



CH-DSP

CH-DSP is used separate wires and block ends of "seal offs" in alarm sensor wiring.

Physical and chemical data is found on individual data sheets for these products.

#### Third Party Approvals

#### Products Used on this Project



EQ-742 EQ-801 EQ-836



THIRD-PARTY UL 2447



## "Better By Design"

# Diversified's Epoxy Installation Kit CH-DEIK

### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



**CH-DSP-4**

CH-DSP-4 Super Putty for holding pea gravel from entering sump while repairs are made.



**CH-DBC II**

CH-DBC II Aerosol cleaner for all bonded components.



**CH-DEB Bulk 13**

CH-DEB Bulk 13 Epoxy Bonder for Polyglass Repairs, Fiberglass Repairs and other applications.



**CH-DEIK**

CH-DEIK kits are boxed with instructions. Ideal kit for a few repairs. Kit also includes spatula, stirring stick, scouring pad, nitrile gloves. For large repairs consider ordering items in bulk.

Refer to individual Data Sheets for items in this Kit.

#### Third Party Approvals



EQ-742 EQ-801 EQ-836



THIRD-PARTY UL 2447

#### Products Used on this Project



Diversified Products Manufacturing  
5523 Baggett Marysville Road - Oroville CA. 95965 USA  
530-534-3966 - www.dpm-co.com - 530-534-7404 Order Entry Fax





## "Better By Design"

# Diversified's Split Repair Installation Kit CH-SRIK

### Technical Data Sheet

Diversified's product offering includes a class of products we call Chemicals. These products have been tested with our repair and new construction products and have been listed as being compliant with UL 2447 protocols. The approval letters are attached at the end of each of our catalogs.



CH-DSP-4

CH-DSP-4 Super Putty for holding pea gravel from entering sump while repairs are made.



CH-DBC II

CH-DBC II Aerosol cleaner for all bonded components.



CH-DGK-4

CH-DGK-4 Solvent weld for joining split repair boots.



CH-DBB V

CH-DBB V for bonding the repair boot to the sump wall. Two static mixers

Data sheets are available for each product.

#### Third Party Approvals



EQ-742 EQ-801 EQ-836



THIRD-PARTY UL 2447

#### Products Used on this Project



Diversified Products Manufacturing  
5523 Baggett Marysville Road - Oroville CA. 95965 USA  
530-534-3966 - www.dpm-co.com - 530-534-7404 Order Entry Fax



# CH-DAS

## Installation Instruction Diversified Aqua Seal CH-DAS



Diversified Products  
Manufacturing Inc.



Weaver Products

**WARNING:** Failure to follow each step may result in a failure of the process. Adhere to the following general instructions for each step of the installation

CH-DAS is a hydroactive grout used to quickly stop leaks into tank sumps and UDC's

**Assemble CH-DAS :** Install the CH-DAS into a single cartridge caulking gun. Cut tip of CH-DAS for material to be released. Standard Caulk guns are readily available from local hardware stores, Home Depot etc.



**Stop the Leak:** Drill a 3/8" diameter hole through the sump wall into the backfill. Insert the CH-DAS into the leak and start pumping until the contents have been injected into the leak. Hold CH-DAS in the hole for approximately 10-15 minutes to keep back pressure and ensure proper curing. Be sure the holes are inside the perimeter of the repair fitting to be used to repair the sump.



**Installation Complete:** After 10 - 15 minutes remove the tool and empty cartridge. The leak should be stopped and installation of CH-DAS complete. The empty cartridge is generally considered dumpster disposable. Check for local regulations.



### Tools Needed

Single cartridge caulking gun for DAS  
3/8" Drill  
Rags for after installation clean up

### Products Needed

1 CH-DAS cartridge

# CH-DAS II 50ml

## Installation Instructions

### Diversified Aqua Seal DAS II

WARNING: Failure to follow each step may result in a failure of the process. Adhere to the following general instructions for each step of the installation



Diversified Products  
Manufacturing Inc.



Weaver Products

CH-DAS II is a chemically activated two part foam used to quickly stop leaks into tank sumps and UDC's

**Assemble CH-DAS II 50 ml:** Take off the cap and assemble the CH-DAS II with the CH-DSM III Static mixer. Then install the CH-DAS II 50 ml into a CH-DAG III (applicator gun).



**Stop the Leak:** Drill a 1/4" Diameter hole through the sump wall into the backfill. Insert the CH-DSM III into the leak and start pumping until the contents have been injected into the leak. Hold CH-DSM III in the hole for approximately 2 minutes to keep back pressure and ensure proper curing.



**Installation Complete:** After 2 minutes remove the tool and empty cartridge. The leak should be stopped and installation of CH-DAS II 50ml is complete.



#### Tools Needed

CH-DAG III applicator gun  
1/4" Drill  
Rags for after installation clean up

#### Products Needed

1 CH-DAS II 50 ml cartridge  
1 CH-DSM III static mixer which comes included with CH-DAS II 50ml

# CH-DBB V

## Installation Instructions

### Diversified Bulkhead Bonding Material CH-DBB V



Diversified Products  
Manufacturing Inc.



Weaver Products

**Prepare all Surfaces:** All surfaces to be bonded should be prepared prior to completing the installation steps below.

**Warning:** Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.

**Cleaning:** Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.

CH-DBB V is a specially formulated Methylmethacrylate used in conjunction with Diversified's flexible penetration fittings and split repair products. The methylmethacrylate also bonds to fiberglass and adheres strongly to polyethylene sumps.

#### Step 1

**Prepare cartridge for use:** CH-DBB V is only available in 50 ml cartridge sets. Install the static mixer and assemble into CH-DAG III applicator Gun. Set the cap aside for plugging partially used cartridge sets.



#### Step 2

**Dispense Bonding Material:** Apply an even amount of material to the penetration's surface to be bonded to the sump wall. Smooth the bonding agent then secure to the sump wall. A small bead of material should be present after installing penetration fitting



#### Step 3

**Cap or Discard Cartridge Set:** After using the desired amount, cap the cartridge set for reuse or purge remaining material, let cure and dumpster dispose of excess the cartridge set and static mixer. Follow all local regulations.



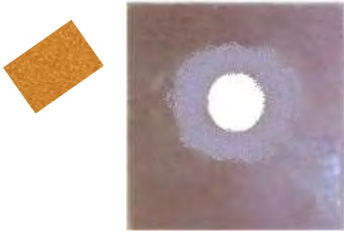





#### Tools Needed

CH-DAG III Applicator Gun

#### Products Needed

CH-DBB V Methylmethacrylate bonding material

<h1>CH-DBC II</h1>		<h2>Installation Instructions</h2> <h3>Diversified Bulkhead Cleaner CH-DBC II</h3>	
		<p><b>Prepare all Surfaces:</b> All surfaces to be bonded should be prepared prior to Completing the installation steps below.</p> <p><b>Warning:</b> Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.</p> <p><b>Cleaning:</b> Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth. <b>Warning</b> It is necessary to clean all surfaces of the repair products.</p>	
 <p>Diversified Products Manufacturing Inc.</p>	 <p>Weaver Products</p>		
<p>CH-DBC II is a cleaning agent as well as a conditioning agent. When sprayed on a thermoplastic surface, the material is conditioned such that the chemicals used in new installations and repairs will bond to the thermoplastic surface. With other cleaners, the repair material will peel after curing. When CH DBC II is used as the cleaner, repair material will bond to the thermoplastic surface sufficiently that it must be scraped to be removed.</p>			
<p><b>Step 1</b></p> <p><b>Prepare Surfaces for Cleaning:</b> Most surfaces need to be sanded or roughed up prior to cleaning with CH-DBC II. This may be accomplished by 60 grit sand paper, scouring pad or other means. Prep surfaces approximately 1" larger than the area to be bonded.</p>			
<p><b>Step 2</b></p> <p><b>Spray on Cleaner:</b> Hold aerosol can approximately 6" away from the surface to be cleaned. Spray all surfaces until wet and dripping.</p>			
<p><b>Step 3</b></p> <p><b>Dry:</b> It is desirable to let the sprayed surfaces to air dry. However, this is often not practical. The cleaner may be wiped dry after approximately 2 minutes when needed.</p>			
<p><b>Step 4</b></p> <p><b>Dispose of Empty Container:</b> In most states it is acceptable to throw into garbage as long as the container is completely empty. However you should dispose according to local regulations. <b>Warning:</b> Contents are under extreme pressure and can cause major damage and or injury if punctured.</p>			
<p><b>Tools Needed</b> Sand Paper, or Scouring Pad Rag to wipe dry</p>		<p><b>Products Needed</b> CH-DBC II aerosol cleaner</p>	



# CH-DBF III

## Installation Instructions

### Diversified Bulkhead Filler CH-DBF III



Diversified Products  
Manufacturing Inc.



Weaver Products

**Prepare all Surfaces:** All surfaces to be bonded should be prepared prior to Completing the installation steps below.

**Warning:** Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.

**Attention:** CH-DBF III is a fast curing Polyurea with significant exotherm temperatures. Care should be taken when using this product. When possible use in cooler parts of the day.

#### Step 1

**Prepare to use:** Assemble cartridge set to static Mixer. Insert into 600 ml twin tube applicator gun.



#### Step 2

**Consider Application:** The gun with cartridge and static mixer is over 18" long. This length makes it difficult to fill some repair boots and newly installed "filled" penetrations. Where this is a problem use a remote fill assembly. Remote fill assemblies SR-RFA includes 1/2" inside diameter tubing with unique end pieces for male, female and tube to tube bonding. By bonding the SU-RFA to the port on the filled penetration or repair boot, the fill can be performed from grade level reducing considerable time and frustration for this part of the process. Once the boot is filled, the cured tube may be cut off at the penetration and discarded.



#### Step 3

##### Applications:



Filled Encapsulation Boots



Filled Multi-Sync Repair Boots



Double Sided "filled" Boots



Remote fill assembly



Filled Tank Adaptor Repair Boots

##### Tools Needed

CH-DAG - Diversified Applicator Gun for 600ml applications

##### Products Needed

CH-DBF III Bulkhead fill 600 ml  
SR-RFA Remote fill assembly

# CH-DEB



Diversified Products  
Manufacturing Inc.



Weaver Products

## Installation Instructions

### Diversified Epoxy Bonder CH-DEB

**Prepare all Surfaces:** All surfaces to be bonded should be prepared prior to Completing the installation steps below.

**Warning:** Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.

**Cleaning:** Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth. **Warning** It is necessary to clean all surfaces of the repair products. When properly cleaned, the epoxy will bond to the repair fittings. Without proper cleaning the epoxy may peel, possibly causing an early failure.

This product is recommended for bonding fiberglass and polyglass penetration or repair fittings to fiberglass or polyethylene sump walls. The product also bonds to fiberglass pipes, polyethylene pipes (European style) and APT and OPW flex pipes. While DPM has tested the above applications, the product may be used for numerous new construction and repair applications. Initial testing of this product installed on a HDPE sump shows no signs of failure. Even after 30 days curing and impacted with a hand held hammer, the bond did not fail. Ongoing immersion and vapor phase testing are being performed.



CH-DEB 50ml



CH-DEB Bulk 13



CH-DEB Bulk 5#



CH-DEB- Bulk 15#



CH-DEIK

### Step 1

**Prepare all surfaces with CH-DBC II:** Sand all surfaces to be bonded. Remove all gel coat, glaze and rough the sump surface. Spray surfaces with CH-DBC II then wipe dry. Air drying is sufficient if the surface was somewhat free of contaminants.



### Step 2

#### To use the CH-DEB-50ml Cartridge:

Install the static mixer, insert into CH-DAG III and apply epoxy CH-DEB to a properly sanded and cleaned surface. Apply a bead approximately 1/8" to 1/4" thick over the area to be bonded. Then smooth so that an even amount of the epoxy covers the entire surface to be bonded.



### Step 3

#### To use the Bulk CH-DEB 13 oz, 5# or 15#

- 1 Open both cans and add the contents of the smaller can of hardener (Part B) to the large can of resin (Part A) and stir with the wooden stir stick provided.
- 2 A properly blended CH-DEB epoxy, ready to install. Use a spatula or other item to install the CH-DEB epoxy.
- 3 On Polyglass or Fiberglass repairs, install enough CH-DEB to fill the space between the bonding ring and the pipe.



**Warning:** Mix carefully to ensure the epoxy is well catalyzed.








Note: This kit contains 13 oz, 5# or 15# of epoxy resin. For applications requiring less than the full container, equal amounts of Part A and Part B may be removed and blended in a separate container (customer provided). Be careful to use equal portions to retain the integrity of both the used and unused portions of the epoxy. Be careful not to cross contaminate the remaining portion of hardener or resin.







#### Tools Needed

CH-DAG III- Diversified Applicator Gun for 50ml application  
Rag for cleaning with CH-DBC II  
Stir Stick for mixing CH-DEB Bulk various sizes  
(CH-DEIK contains a stir stick)

#### Products Needed

CH-DEB 50 ml  
CH-DEB Bulk 13  
CH-DEIK Epoxy Installation Kit includes  
• CH-DEB 50ml  
• CH-DEB-Bulk 13

<h1>CH-DFB</h1>		<b>Installation Instructions</b> Diversified Fiberglass Bonder CH-DFB
 Diversified Products Manufacturing Inc.	 Weaver Products	<p><b>Prepare all Surfaces:</b> All surfaces to be bonded should be prepared prior to Completing the installation steps below.</p> <p><b>Warning:</b> Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.</p> <p><b>Cleaning:</b> Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth. <b>Warning</b> It is necessary to clean all surfaces to be bonded. When properly cleaned, the epoxy will bond to the fiberglass and steel &amp; Stainless Steel</p>
<p>This product is recommended for bonding fiberglass penetration and repair fittings to fiberglass sump walls. The product also bonds to fiberglass pipes and steel or stainless steel fittings. While DPM has tested the above applications, the product may be used for numerous new construction and repair applications.</p>		
<p><b>Step 1</b></p> <p><b>Prepare all surfaces:</b> Use the hole saw size recommended for the fitting to be installed. It is better to use DPM's Sanding hole saws that drill the right size hole and sand the appropriate area for bonding. Drill Hole, sand all surfaces to be bonded. Remove all gel coat, glaze and rough the sump surface. Spray surfaces with CH-DBC II then wipe dry. Air drying is sufficient if the surface was somewhat free of contaminants.</p>		
		
<p><b>Step 2</b></p> <p><b>To use the CH-DFB 50ml Cartridge:</b> Install the static mixer, insert into CH-DAG III and apply epoxy CH-DFB to a properly sanded and cleaned surface. Apply a bead approximately 1/8" to 1/4" thick over the area to be bonded. Then smooth so that an even amount of the epoxy covers the entire surface to be bonded.</p>		
		
<p><b>Step 3</b></p> <p><b>Complete the bonding process:</b> When bonding, make sure a bead of epoxy is exposed completely around the part being bonded. If not quickly remove the fitting, reapply epoxy and reinstall until there is a bead completely around the part when tightened. Wipe bead smooth. Allow to cure for 1 hour prior to continuing with the project.</p>		
 <p>PF-FGT Fiberglass fitting bonded to sump wall</p>	 <p>Stainless Coupling bonded to PF-FGT Fitting.</p>	 <p>PF-FGT Fiberglass fitting bonded to sump wall</p> <p>Epoxy bead must appear at the perimeter.</p>
<p><b>Tools Needed</b> CH-DAG III- Diversified Applicator Gun for 50ml application Rag for cleaning with CH-DBC II</p>		<p><b>Products Needed</b> CH-DFB 50 ml fiberglass epoxy bonder CH-DBC II Cleaner</p>

<h1>CH-DGK-4</h1>		<h2>Installation Instructions</h2> <h3>Diversified Glue Kit for Solvent Welding CH-DGK-4</h3>
		<p><b>Prepare all Surfaces:</b> All surfaces to be bonded should be prepared prior to Completing the installation steps below.</p> <p><b>Warning:</b> Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.</p> <p><b>Cleaning:</b> Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.</p>
 <p><b>Diversified Products Manufacturing Inc.</b></p>	 <p><b>Weaver Products</b></p>	
<p>CH-DGK is a solvent weld product created by dissolving the chemical pellets, used to make the split parts, in a strong solvent. Thus the solvent welding material is the same as the material used to manufacture the parts that are being welded. The product is available in 4 ounce and 16 ounce containers.</p>		
<p><b>Step 1</b></p> <p><b>Clean All Surfaces:</b> Spray the CH-DBC II Cleaner on all split surfaces to get solvent welded together.</p>		
		
<p><b>Step 2</b></p> <p><b>Application of CH-DGK solvent weld:</b> Unscrew cap and apply generously to the surfaced to be solvent welded. Reseal the container. If left open the VOC's will drive off and the material will cure in the can. Glue kits are shipped with SDS sheets, gloves, installation instructions and an applicator bottle.</p>		
		
<p><b>Step 3</b></p> <p><b>Allow product to cure:</b> Typically the CH-DGK is used to solvent weld a split test reducer. The test reducer should have been wrapped around the pipe it will seal, then have the glue applied. Band clamps should be installed to hold the shape while the part is curing for approximately 1 hour. The welded material should be as strong as the host material and cannot be split by hand. Should the part split when being installed sufficient time was not allowed to cure. Re-apply the solvent welding material and allow to cure again.</p>		
		
<p><b>Step 4</b></p> <p><b>Secure Boot in Place:</b> Slide boot into place, tighten band clamps. Do not exceed 60 in lb. A pressure test may be performed within 4 hours. A hydrostatic test may be performed within 1 hour.</p>		
		
<p><b>Tools Needed</b></p> <ul style="list-style-type: none"> <li>Gloves</li> <li>Nut driver for band clamps where used</li> </ul>		<p><b>Products Needed</b></p> <ul style="list-style-type: none"> <li>CH-DGK-4 4 ounce container</li> <li>CH-DGK-16 16 ounce container</li> <li>CH-DBC II Cleaner</li> </ul>

# CH-DRP



Diversified Products  
Manufacturing Inc.



Weaver Products

## Installation Instructions

### Diversified Polysulfide Repair Paste 32 oz or 1.5 Gallon

**Prepare all Surfaces:** All surfaces to be bonded should be prepared prior to completing the installation steps below.

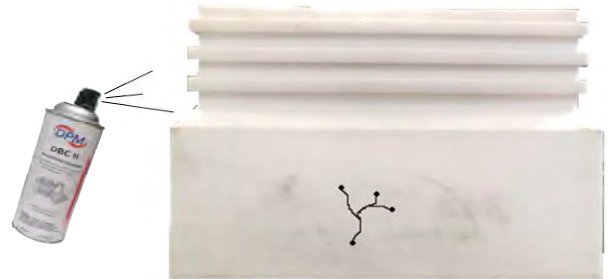
**Warning:** Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.

**Cleaning:** Spray all surfaces to be repaired with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.

CH-DRP is a paste form of Polysulfide. The liquid form of Polysulfide has been submitted to and listed by UL. The paste form is available as a gasket or repair material. The paste may be applied directly to a poly or fiberglass sump wall. Polysulfide paste may be used as a interim repair of a sump wall until a structural repair can be performed.

#### Step 1

**Clean all surfaces to be bonded:** Sand and rough up all surfaces to be bonded. Clean by spraying CH-DBC II on all surfaces until wet. Allow the cleaner to air dry. Drying may be accomplished by wiping dry with a clean cloth. When repairing a crack drill a 1/8" diameter holes to stop the crack from moving



#### Step 2

**Mix the Material:** The polysulfide paste is provided in a 32 ounce or 1 1/2 Gallon container with a small volume of catalyst. Mix the bulk material and catalyst thoroughly. Apply shortly after mixing as the material will cure out when left unapplied. A smaller ratio of catalyst and bulk material may be mixed if the full container is not required. Be careful to match the catalyst ratio to the bulk material.



#### Step 3

**Apply the Polysulfide:** Once the polysulfide is mixed, it is ready to be applied to the surface to be repaired. Apply to a thickness of approximately 1/2". Spread the material using a stir stick, spatula or similar smoothing device. Allow the material to cure for 24 hours. A repaired sump may be hydrostatic tested 1 hour after the repair is completed.



#### Step 4

**Curing:** Polysulfide cures above 55 deg F. If the ambient temperature is below 55 deg, the product may be applied, however curing will only occur once the ambient temperature exceeds 55 deg F. Unused portions of the unmixed product may be saved for later use.



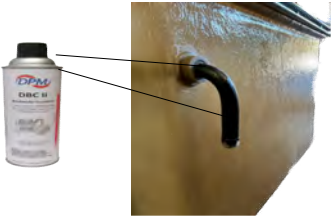



#### Tools Required

Sanding and cleaning materials

#### Products Required

CH-DRP 32 oz or CH DRP 1 1/2 Gal.  
CH-DBC II Aerosol Cleaner

<h1>CH-DSB</h1>		<h2>Installation Instructions</h2> <h3>Diversified Soils Barrier CH-DSB II</h3>
		<p><b>Prepare all Surfaces:</b> All surfaces to be bonded should be prepared prior to completing the installation steps below.</p> <p><b>Warning:</b> Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.</p> <p><b>Cleaning:</b> Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.</p>
 <p><b>Diversified Products Manufacturing Inc.</b></p>	 <p><b>Weaver Products</b></p>	
<p>CH-DSB is a specially formulated liquid used with Diversifieds Engineered systems and for other applications to isolate the effects of water and corrosive soil conditions on conduits or and other metal objects.</p>		
<p><b>Step 1</b></p> <p><b>Prepare the object ( Conduit):</b> Remove all rust and spray with CH-DBC II cleaner. Air dry or wipe dry with a clean dry cloth.</p> <div style="display: flex; justify-content: flex-end; align-items: center; margin-top: 20px;">  </div>		
<p><b>Step 2</b></p> <p><b>Apply CH-DSB II:</b> Brush on the liquid and let dry. Apply multiple coats if necessary to cover all exposed surfaces</p> <div style="display: flex; justify-content: flex-end; align-items: center; margin-top: 20px;">  </div>		
<p><b>Tools Needed</b></p>		<p><b>Products Needed</b></p> <p>CH-DSB II</p>

# CH-DSP 4

## Installation Instructions Diversified Super Putty CH-DSP 4



Diversified Products  
Manufacturing Inc.



Weaver Products

**Prepare all Surfaces:** All surfaces to be bonded should be prepared prior to completing the installation steps below.

**Warning:** Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.

**Cleaning:** Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth. **Warning** It is necessary to clean all surfaces of the repair products.

Often when repairs are required the old penetration fitting is removed, exposing backfill. DSP-4 is used to fill the opening prior to performing a repair.



### Step 1

**Prepare the area:** where you will be applying the CH-DSP 4 . Sand exposed area of sump. Clean the surface with CH-DBC II and wipe dry with a clean dry cloth.



### Step 2

**Prepare CH-DSP 4 for application:** Open container and cut desired amount for use. Roll and knead putty between hands until a consistent gray color is achieved. (Approximate time 2 minutes)

**Warning:** Lack of proper blending may cause failure of product.

**Caution:** Working time is approximately 10 minutes (less in warmer weather).



### Step 3

**Apply the CH-DSP 4** into the exposed back fill and allow 20 minutes before moving to the next step. Proceed with the repair, no need to wait for full cure to proceed.



#### Tools Needed

Gloves  
Box Knife  
Sanding Paper

#### Products Needed

CH-DSP-4 Super Putty  
CH-DBC II Aerosol Cleaner

# CH-DWAS

## Installation Instructions

### Diversified Water Activated Sealant CH-DWAS

**Prepare all Surfaces:** All surfaces to be bonded should be prepared prior to Completing the installation steps below.

**Warning:** Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.



Diversified Products  
Manufacturing Inc.



Weaver Products

This product is recommended for filling Seal off's to isolate Div I Class I areas from external threats. CH-DWAS used in conjunction with CH-DSP provides the easiest and quickest isolation in the industry.

#### Step 1

**Check package for Damage:** Do not attempt to use if damaged.



#### Step 2

**Prior to Mixing:** Remove Cap and install spout. Make sure the pour spout is in the upright position. Make sure there is no dry compound in the pouring spout.



#### Step 3

**Mix Product:** Squeeze the pouch until inner liquid container breaks. Continue to squeeze outer pouch for three minutes until compound and water are thoroughly mixed, making sure there is no dry compound in the spout, corners or anywhere else in the package.

#### Step 4

**Prepare the product:** The proper consistency is fluid enough to pour slowly, like thick gravy. Use pouch contents within 15 minutes of mixing. NOTE: discard any material that becomes too stiff to use. Never attempt to restore workability by stirring in more water.

#### Step 4

**Pour the product:** Remove the plug from the seal off. Make sure the CH-DSP super putty has been installed to plug the ends of the seal off and that all wiring has been pulled. When sealed at the ends, pour the compound into the seal off. There should be sufficient product to complete two or more seal off installations. Let product settle then replace the plug(s).



#### Tools Needed

Allen Wrench to fit seal off  
Pipe wrench to remove plug

#### Products Needed

CH-DWAS Water activated sealant  
CH-DSP-4 Stick Epoxy



# CH-Gassolia E

## Installation Instructions

### Diversified Super Putty CH-Gasolia E



Diversified Products  
Manufacturing Inc.



Weaver Products

**Prepare all Surfaces:** All surfaces to be bonded should be prepared prior to Completing the installation steps below.

**Warning:** Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.

**Cleaning:** Spray all surfaces to be threaded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth. **Warning** It is necessary to clean all surfaces prior to applying Gasolia E

All Threaded joints in Diversified's engineered systems are sealed using Gasolia E-Seal.



#### Step 1

Remove lid with attached Brush:



#### Step 2

Apply evenly on threads. Cover all threads with the Gasolia product. Tighten lid to preserve remaining Gasolia E.



#### Step 3

Thread pipe and fitting together until tight. The primary seal is the compression of the threads cut in the fitting/pipe. The gasolia acts as a lubricant and sealant to assure there are no leaking joints.

#### Tools Needed

Wrenches as required

#### Products Needed

CH-Gasolia E  
CH-DBC II Aerosol Cleaner

# CH-DAG

## Installation Instructions

CH-DAG-Diversified Applicator Gun for 20oz/600ml cartridge sets

This product is self contained and needs no additional preparation or warnings



Diversified Products  
Manufacturing Inc.



Weaver Products

The CH-DAG is used in conjunction with Diversified's family of 20 oz/600ml cartridge sets.

### Step 1

**Inspect Gun for Damage:** Remove the applicator gun DAG from its container and inspect for damage. Cycle the plunger through the gun to make sure it operates freely. Optional: attach the extra grip handle.



### Step 2

**Assemble the 600ml/20oz cartridge set:** Assemble the static mixer CH-DSM I and nut to the cartridge before installing into the applicator gun.



### Step 3

**Install Cartridge Set:** Slide the base of the cartridge set onto the plungers and lay cartridge parallel in gun. Pump handle until you feel the plungers are snug against the cartridge set.



### Step 4

**Pump Material:** Pull the handle until material exits the Static Mixer. When installing CH-DBF II, purge 2 oz into a cup to be sure of adequate mixing. Be careful not to discharge the material onto unwanted surfaces. Upon completion of the process remove the cartridge set and store or discard the cartridge set. Clean the applicator gun and store.



#### Tools Needed

None

#### Product needed

CH-DAG -Diversified Applicator Gun for 20oz/600ml Cartridges

#### Compatible Products

20oz/600ml CH-DBF II-Diversified Bulk Fill  
20oz/600ml CH-DAS II-Diversified Aqua Seal

# CH-DAG III

## Installation Instructions

### CH-DAG III-Diversified Applicator Gun

This product is self contained and needs no additional preparation or warnings



Diversified Products  
Manufacturing Inc.



Weaver Products

The CH-DAG III is used in conjunction with Diversified's family of 50ml cartridge sets.

#### Step 1

**Inspect Gun for Damage** Remove the applicator gun DAG III from its container and inspect for damage. Open breach push up on locking lever and install plunger. Cycle the plunger through the gun to make sure it operates freely.



#### Step 2

**Load 50 ml Cartridge Set.** Assemble the 50 ml cartridge set with the static mixer CH-DSM III before installing in the applicator gun.



#### Step 3

**Install Cartridge Set** Open breach of CH-DAG III Install cartridge Set. Close the breach of the Applicator Gun.



#### Step 4

**Pump Material** Pull the handle until material exits the Static Mixer. Be careful not to discharge the material onto unwanted surfaces. Upon completion of the process remove the cartridge set and store or discard the cartridge set. Clean the applicator gun and store.



#### Tools Needed

None

#### Product needed

CH-DAG III-Diversified Applicator Gun  
for 50ml Cartridges

#### Compatible Products

50ml- CH-DEB-Diversified Epoxy Bonder  
50ml- CH-DAS II-Diversified Aqua Seal  
50ml- CH-DBB V-Diversified Bulkhead Bonder  
50ml- CH-DFB-Diversified Fiberglass Bonder

# CH-DSM I



Diversified Products  
Manufacturing Inc.



Weaver Products

## Installation Instructions

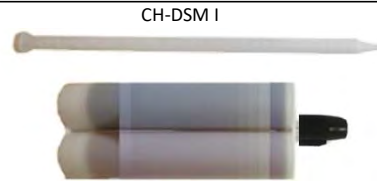
Diversified Products Static mixer-CH-DSM I

**Prepare all Surfaces:** All surfaces to be bonded should be prepared prior to completing the installation steps below.

**Warning:** Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.

**Cleaning:** Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.

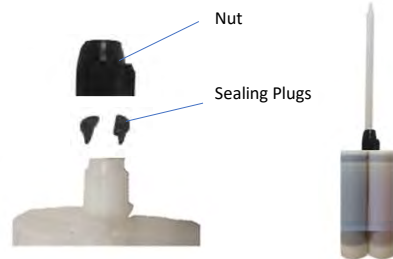
CH-DSM I is used in conjunction with 20oz/600ml twin tube cartridge set to thoroughly mix all material for the intended application.



20oz/600ml cartridge

### Step 1

**Remove Nut, and Sealing Plugs** from 20oz cartridge. Set sealing plugs aside for later use. Place CH-DSM I Static Mixer on top of 20oz/600ml cartridge and push firmly until completely seated. Slide on black nut and turn clock wise until sealed. Unused material left in the cartridge set may be used later by reinstalling the sealing plugs and nut.



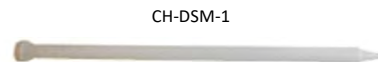
### Step 2

**Load into DAG** (Diversified Applicator Gun) Pump handle until material starts to mix it's way through the CH-DSM I Static Mixer. Depending on the material in the cartridge set it may be necessary to purge up to two ounces from the cartridge set to make sure the product is being mixed thoroughly.



### Step 3

**Additional Static Mixers** Upon completion of an installation, there may be additional material left in the cartridge set. In these instances the cartridge set may be plugged and stored for later use. Install a new Static Mixer each time the cartridge set is reused.



### Tools Needed

CH-DAG I-Diversified Applicator Gun I

### Product needed

CH-DSM I - Diversified Static Mixer for 20oz/600ml Cartridges

### Compatible Products

20oz/600ml CH-DAS II-Diversified Aqua Seal

# CH-DSM III

## Installation Instructions

### Diversified Products Static mixer-CH-DSM III



Diversified Products  
Manufacturing Inc.



Weaver Products

**Prepare all Surfaces:** All surfaces to be bonded should be prepared prior to Completing the installation steps below.

**Warning:** Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.

**Cleaning:** Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.

CH-DSM III is used in conjunction with 50 ml twin tube cartridge set to thoroughly mix all material for the intended application.



50ml cartridge



CH-DSM III

#### Step 1

**Remove cap** from 50ml cartridge. Set the cap aside and save for later. Place CH-DSM III on top of 50 ml cartridge and push firmly until completely seated. Turn clock-wise 90 deg. until locked in place. If there is unused material left in the cartridge set, remove and discard the Static Mixer and reinstall the cap.



#### Step 2

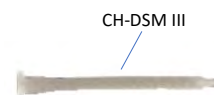
**Load into DAG III** (Diversified Applicator Gun) and pump handle until material starts to mix it's way through the CH-DSM III. Depending on the material in the cartridge set, it may be necessary to purge up to 10% of the cartridge set to be sure the material is mixed thoroughly prior to using. Installation Complete and ready for application.



CH DAG III

#### Step 3

**Additional Static Mixers** Upon completion of an installation, there may be additional material left in the cartridge set. In these instances the cartridge set may be plugged and stored for later use. Install a new Static Mixer each time the cartridge set is reused.



CH-DSM III

#### Tools Needed

CH-DAG III-Diversified Applicator Gun III

#### Product needed

CH-DSM III-Diversified Static Mixer III for 50ml Cartridges

#### Compatible Products

50ml- CH-DEB-Diversified Epoxy Bonder  
50ml- CH-DAS II-Diversified Aqua Seal  
50ml- CH-DBB V-Diversified Bulkhead Bonder

# CH-DSM IV



Diversified Products  
Manufacturing Inc.



Weaver Products

## Installation Instructions

### Diversified Products Static Mixer-CH-DSM IV

**Prepare all Surfaces:** All surfaces to be bonded should be prepared prior to Completing the installation steps below.

**Warning:** Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.

**Cleaning:** Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.

CH-DSM IV is used in conjunction with 600 ml twin tube cartridge set to thoroughly mix all material for the intended application.



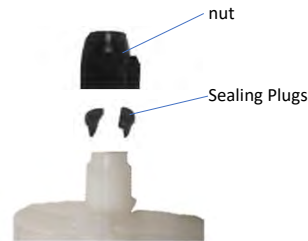
CH-DSM IV



600 ml Cartridge Set

#### Step 1

**Remove Nut, and Sealing Plugs** from 20oz cartridge. Set sealing plugs aside for later use. Place CH-DSM I Static Mixer on top of 20oz/600ml cartridge and push firmly until completely seated. Slide on black nut and turn clock wise until sealed. Unused material left in the cartridge set may be used later by reinstalling the sealing plugs and nut.



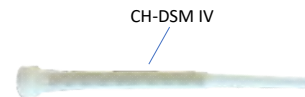
#### Step 2

**Load into DAG:** (Diversified Applicator Gun) and pump handle until material starts to mix it's way through the CH-DSM III. Depending on the material in the cartridge set, it may be necessary to purge up to 10% of the cartridge set to be sure the material is mixed thoroughly prior to using. Installation Complete and ready for application.



#### Step 3

**Additional Static Mixers:** Upon completion of an installation, there may be additional material left in the cartridge set. In these instances the cartridge set may be plugged and stored for later use. Install a new Static Mixer each time the cartridge set is reused.



#### Tools Needed

CH-DAG -Diversified Applicator Gun I

#### Product Needed

CH-DSM IV-Diversified Static Mixer IV  
for 600ml Cartridges

#### Compatible Products

600ml- CH-DBF III-Diversified Bulkhead Fill

# CH-DSM V



Diversified Products  
Manufacturing Inc.



Weaver Products

## Installation Instructions

### Diversified Products Static Mixer-CH-DSM V

**Prepare all Surfaces:** All surfaces to be bonded should be prepared prior to Completing the installation steps below.

**Warning:** Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.

**Cleaning:** Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.

CH-DSM V is used in conjunction with 50 ml twin tube cartridge set for CH-DFB Fiberglass Epoxy bonder to thoroughly mix all material for the intended application.



50ml cartridge



CH-DSM V

#### Step 1

**Remove cap** from 50ml cartridge. Set the cap aside and save for later. Place CH-DSM V on top of 50 ml cartridge and push firmly until completely seated. Turn clock-wise 90 deg. until locked in place. If there is unused material left in the cartridge set, remove and discard the Static Mixer and reinstall the cap.



#### Step 2

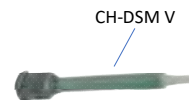
**Load into DAG III** (Diversified Applicator Gun) and pump handle until material starts to mix it's way through the CH-DSM V. Depending on the material in the cartridge set, it may be necessary to purge up to 10% of the cartridge set to be sure the material is mixed thoroughly prior to using. Installation Complete and ready for application.



CH DAG III

#### Step 3

**Additional Static Mixers** Upon completion of an installation, there may be additional material left in the cartridge set. In these instances the cartridge set may be plugged and stored for later use. Install a new Static Mixer each time the cartridge set is reused.



CH-DSM V

#### Tools Needed

CH-DAG III-Diversified Applicator Gun III

#### Product needed

CH-DSM V-Diversified Static Mixer for 50ml Cartridges

#### Compatible Products

50ml- CH-DFB-Diversified Fiberglass Bonder

# ES-CII-DBCIIK

## Contractors Installation Instructions Diversified's Bonded Conduit Installation Kit



Diversified Products  
Manufacturing Inc.



Weaver Products

**Prepare all Surfaces:** All surfaces to be bonded should be prepared prior to Completing the installation steps below.  
**Warning:** Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.  
**Cleaning:** Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.  
**Warning:** Read all applicable SDS sheets See

The Bonded Conduit Installation Kit provides all the materials needed to finish the conduit installation process into Diversified/s Engineered Systems. There are enough materials in this kit to finish three Engineered Systems

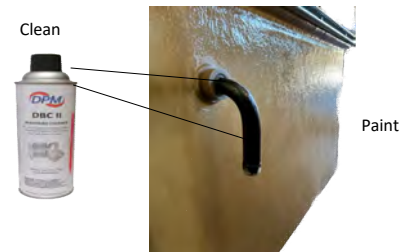
### Step 1

**Components for the installation kit include:** Soils Barrier CH-DSB to isolate exposed metal conduit connected to the outside of the sump. A water activated sealant CH-DWAS to complete the seal off once the wiring has been installed. The kit CH-DBCIIK also includes Cleaner CH-DBC and CH-DSP Super Putty. Sealant is rated for Class I Div I applications when instructions are followed



### Step 2

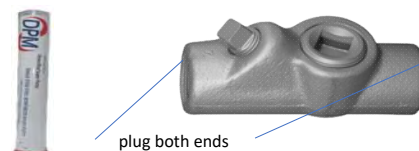
**Isolate the exposed Conduit system:** The electrical contractor will connect the conduit system to the UL listed nipple extending from the sump wall. Normally the conduit system has a plastic coating. However the coupling used to attach to the nipple end may need to be isolated as well as any other exposed metal conduit. Soils Barrier CH-DSB is provided to paint and isolate all exposed conduit segments. The sump is shipped with a cap on the exposed nipple. This keeps debris out of the conduit while storing and shipping the sump. Remove the cap and clean the conduit. Clean the exposed surfaces of the conduit with Cleaner CH-DBC. Let air dry or wipe dry with a clean dry cloth. Paint the soils barrier onto the conduit. Multiple coats are recommended. allow a minimum of 10 minutes between coats and 4 hours to cure.



**Soils Barrier Information:** The information on the container's label is so small as to be almost unreadable. We have reproduced to the best of our ability that information hereinafter: **Directions** 1) Apply Soils Barrier ( Liquid Tape) to connection or repair area. Make sure to completely coat for air and water tight seal. 2) Allow 10 minutes minimum between coats. A minimum of two coats is recommended. 3) Allow 4 hours minimum dry time before use. SELLER CANNOT CONTROL USE OF THIS PRODUCT AND WILL NOT ACCEPT LIABILITY FOR MORE THAN PRODUCT REPLACEMENT. **Danger Extremely flammable. Vapor harmful. Harmful or fatal if swallowed.** Contains Petroleum distillates Heptane, Xylene, Methyl Ethyl Ketone, and Ethylbenzene. Avoid prolonged breathing of vapors. Use in well ventilated area. Keep away from heat sources, open flame, and sparks. Do not store above 120 deg F. Avoid eye and skin contact. Overexposure may cause numbness in extremities which can persist for some period of time and may be permanent. WARNING Cancer and reproductive harm www.P65Warnings.ca.gov. **First Aid** If swallowed **do not** induce vomiting. **Contact physician immediately.** If eye or skin contact occurs, flush/wash thoroughly with water. If you experience eye watering, headaches, dizziness, move immediately to fresh air. If symptoms persist, consult physician. **Keep out of reach of children**

### Step 3

**Start the Seal Off:** Once the wiring system has been connected to the alarm sensor and the wiring has been tested, the seal off may be filled with the sealing compound provided. Using the CH-DSP super putty, cut off enough to seal both ends of the seal off fitting. Prepare and plug the ends with wire in place. Follow instructions on CH-DSP. Make sure to separate the wires when forcing the putty into the ends of the seal off.



### Step 4

**Pour the Sealing Compound:** See instructions printed on the package. There is enough to seal 3 + Seal off's in this kit. Follow instructions. If you have more than 3 seal offs to do, order extra kits. Each kit has enough product to finish 3 Engineered Systems sumps. Let Cure for 72 hours. Project Complete.



#### Tools Needed:

Allen Wrench Set for EYS seal off.

#### Products Needed:

1 each CH-DBCIIK for every 3 Seal offs



# CH-DEIK



Diversified Products



Weaver Products

## Installation Instruction

### Diversified Epoxy Installation Kit CH-DEIK

**Prepare all Surfaces:** All surfaces to be bonded should be prepared prior to completing the installation steps below.

**Warning:** Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.

**Cleaning:** Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth. **Warning** It is necessary to clean all surfaces of the repair products. When properly cleaned, the polysulfide will bond to the repair fittings. Without proper cleaning the polysulfide will peel possibly causing an early failure.

This product is recommended for bonding fiberglass and polyglass penetration fittings to fiberglass or polyethylene sump walls. The product also bonds to fiberglass pipes, polyethylene pipes (European style) and APT and OPW flex pipes. While DPM has tested the above applications, the product may be used for numerous new construction and repair applications. Initial testing of this product installed on a HDPE sump shows no signs of failure. Even after 30 days curing and impacted with a hand held hammer, the bond did not fail. Ongoing immersion and vapor phase testing are being performed.

#### Products included in the CH-DEIK



Nitril gloves



1" brush



scouring pad



spatula



CH-DBC II Cleaner



CH-DEB Bulk-13



CH-DSP-4

#### Step 1

**Clean with CH-DBC II:** Sand all surfaces to be bonded. Remove all gel coat, glaze and rough sump surface. Spray surfaces with CH-DBC II then wipe dry. Air drying is sufficient if the surface was somewhat free of contaminants.



#### Step 2

##### Prepare CH-DSP-4 for Application:

- 1 Cut off the amount to be used.
  - 2 Roll and knead putty between hands until a consistent grey color is achieved – approximately two minutes.
  - 3 Apply a sufficient amount between the pipe & sump wall. Do not overfill the bond area. Less is better – just enough to create a seal between the pipe and wall.
- WARNING:** Lack of proper blending may cause failure.  
**CAUTION:** Working time is approximately 10 minutes (less in warmer weather).

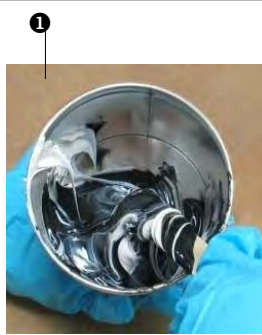


**Step 3**

**Prepare the DEB-Bulk 13:**

① Open both cans and add the contents of the smaller can of hardener (Part B) to the large can of resin (Part A) and stir with the wooden stir stick provided.

② A properly blended CH-DEB epoxy, ready to install.



**Warning:** Mix carefully to ensure the epoxy is well catalyzed.

Note: This kit contains 13 oz of epoxy resin. For applications requiring less than 13 oz, equal amounts of Part A and Part B may be removed and blended in a separate container (customer provided). Be careful to use equal portions to retain the integrity of both the used and unused portions of the epoxy. Be careful not to cross contaminate the remaining portion of hardener or resin.

**Step 4**

**Apply the DEB-Bulk 13 to Bonding Ring:**

Use a spatula or other item to install the CH-DEB epoxy. Apply approximately 1/8" to 1/4" thick over the area to be bonded. Then smooth so that an even amount of the epoxy covers the entire surface to be bonded.



**Step 5**

**Apply the DEB-Bulk 13 Between Bonding Ring and Pipe:**

Use a spatula or other item to install the CH-DEB epoxy. Install enough CH-DEB to fill the space between the bonding ring and the pipe.



**Step 6**

**Completed Polyglass** installation using all products in the CH-DEIK Diversified Epoxy installation kit.



**Tools Needed**

Knife for cutting CH-DSP 4

Rag for cleaning with CH-DBC II

**Products Needed**

CH-DEIK Diversified Epoxy Installation Kit contains:

Chemicals:

1- CH-DEB-Bulk 13 Can set A & B

1- CH-DBC II Cleaner

1- CH-DSP 4oz tube of Super putty

Other Items:

1-Spatula

1-Stir Stick

1-Scouring Pad

1-pair of nitril gloves XL

1-Installation Instruction

# CH-SRIK

## Contractors Installation Instructions

### Diversified's Split Repair Installation Kit



Diversified Products



Weaver Products

**Prepare all Surfaces:** All surfaces to be bonded should be prepared prior to Completing the installation steps below.

**Warning:** Failure to follow each step will void the warranty and may result in premature failure of the penetration fitting. Adhere to the following general instructions for each step of the installation.

**Cleaning:** Spray all surfaces to be bonded with CH-DBC II Cleaner and allow to air dry. Excess cleaner may be wiped off with a clean dry cloth.

**Warning:** Read all applicable SDS sheets See

**Split Repair Installation Kits are designed to quickly and cost effectively repair studed penetration fittings.**

#### Step 1

**Components for the installation kit include:** Super Putty CH-DSP 4 to keep gravel from entering sump, CH-DBC II Cleaner, CH-DGK-4 Solvent Weld for split products and CH-DBB V to bond the repair fitting to the sump wall. The kit also includes a scouring pad, gloves and installation Instructions.



Kit Product # CH-DBCIIK

#### Step 2

**Remove the existing Boot and Prepare the surface:** Remove the existing boot and sand the surface for until all foreign matter is removed including any glaze that may remain on the sump. Sand for about 1/2"-1" outside the boot footprint. Spray the cleaned penetration with CH-DBC II. Let air dry or wipe with a clean dry cloth.



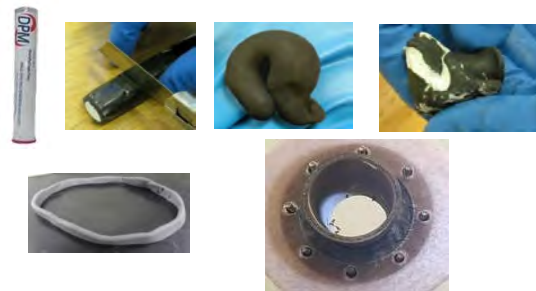
Remove Boot



Sand surface

#### Step 2

**Prepare the Super Putty and seal the pipe to the sump:** Cut and prepare the Super Putty for installation. Seal the pipe to the sump wall with the super putty. Care should be taken not to let the super putty intrude into the sump area where the repair fitting will be installed.



#### Step 3

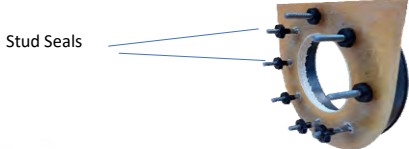



**Solvent Weld Boot:** Wrack boot around the pipe, clean bonding surfaces with CH-DBC II and apply a liberal amount of CH-DGK-4 to the surfaces to be solvent welded. Tighten band clamps at the interface with the pipe and at the outer perimeter of the boot. Align the split boot to recreate the original boot shape. Allow 1 hour to cure. The product will not be completely cured but should have the strength to allow the next steps to be performed.



#### Step 4

**Clean & Bond:** Spray all surfaces to be bonded with CH-DBC II Cleaner. Wipe dry or air dry. Apply CH-DBB V Bonder to the fitting surface and the sump wall. Install the stud seals. At this point complete the installation while the bonding agent is wet. Be prepared to complete the repair at this time before the bonding agent starts to set up. Remove the band clamps as needed.



<p><b>Step 5</b></p> <p><b>Install the Stud Seals:</b> Slide the stud seals over the studs. These seals will seal any potential leak around the studs.</p>	
<p><b>Step 6</b></p> <p><b>Bonding:</b> When installing the boot, there should be enough bonder so that a small bead escapes the perimeter of the fitting when the nuts are tightened to the fitting. If no bonder is present remove fitting and apply again.</p>	
<p><b>Step 7</b></p> <p><b>Retaining Ring:</b> Once the boot has been pushed to the sump wall, slide on either the existing retaining ring or install the new one provided in the kit. Install new 1/4-20 nuts provided in the kit. Tighten until a small bead of bonder appears around the perimeter of the repair boot.</p>	
<p><b>Step 8</b></p> <p><b>Install Band Clamp:</b> Secure the boot to the pipe. Tighten the clamp. Do not exceed 60 PSI when tightening.</p>	
<p><b>Step 9</b></p> <p><b>Completed installation:</b> This repair boot is not filled nor is it painted. The chemicals referenced are available in individual containers or in a kit designed to do approximately 5 boots, depending on boot size, waste and the skill of the technician. Refer to repair kit CH-SRIK. Refer to the pipe selection guide for selecting the boot to fit the existing pipe.</p>	
<p><b>Tools Needed:</b>  Nut Driver for 1/4-20 nuts  Knife or other tool to remove existing boot</p>	<p><b>Products Needed:</b>  CH-SRIK Split Repair Installation Kit</p>



October 30, 2020

Mr. Josh Dow  
Diversified Products Manufacturing Inc  
5523 Baggett Marysville Rd  
Oroville, CA 95965

RE: NDE Reference No: NDE20201020  
Third-Party Certification under UL 2447- Outline of Investigation for  
Fittings Accessories for Fuels

Products Evaluated: Split Repair Fittings & Test Reducers for Containment Sumps for  
Fuels PF-Penetration Fittings Series, Sump Entry Fittings and Test  
Reducers  
SR- Split Repair Sump Entry Fittings and Test Reducer Series  
FG/PG Spilt Repair Series  
CH- Series, All Chemicals used in the installation process  
SU- Sumps and Accessories

Dear Mr. Dow,

In reference to the above listed products, our testing partner on this project (N.D. Eryou, PhD, PE) has performed our UL 2447 Third-Party inspection and testing. All products listed were determined to comply with the "Outline of Investigation for Fittings and Accessories for Fuels".

It is our opinion that both the design and materials used in the above products are based on sound engineering principles and the materials are compatible with all motor fuels and additives currently being used including fuels containing >10% ethanol or 20% biodiesel. Therefore, the Spill Containment Liner should have the same chemical resistance to the UL 2447 test fuels as the DPM "Products Evaluated" listed above.

Disclaimer: Underwriters Laboratories (UL) is an independent testing laboratory and use of, in any way, of the UL Listing or Registered Trade Mark UL is prohibited unless specifically authorized by Underwriters Laboratories.

Very truly yours,

*Brian E Lewis*  
Brian E Lewis, PE



Roundtable Engineering Solutions, Inc  
660 Southpointe CT, Unit 300G  
Colorado Springs, CO 80906

## NOTICE OF COMPLETION OF THIRD-PARTY UL 2447 EVALUATION

February 3, 2021

Mr. Josh Dow  
Diversified Products Manufacturing Inc  
5523 Baggett Marysville Rd  
Oroville, CA 95965

RE: NDE Reference No: NDE20201020  
Third-Party Certification under UL 2447- Outline of Investigation for  
Fittings Accessories for Fuels

Products Evaluated: Split Repair Fittings & Test Reducers for Containment Sumps for Fuels  
PF-Penetration Fittings Series, Sump Entry Fittings and Test Reducers  
SR- Split Repair Sump Entry Fittings and Test Reducer Series  
FG/PG Spilt Repair Series  
CH- Series, All Chemicals used in the installation process.  
SU - Sumps and Accessories

Dear Mr. Dow

In reference to the above listed products, we have performed our UL 2447 Third-Party inspection and testing. All products listed were determined to comply with the “Outline of Investigation for Fittings and Accessories for Fuels”.

It is our opinion that both the design and materials used in the above products are based on sound engineering principles and the materials are compatible with all motor fuels and additives currently being used including fuels containing >10% ethanol or 20% biodiesel. Therefore, the Spill Containment Liner should have the same chemical resistance to the UL 2447 test fuels as the DPM “Products Evaluated“ listed above.

Further to your recent request with regard to your Canadian distributors utilization of the above test results, we have compared the testing requirements of UL (US) 2447 with CAN/ULC-S664:2017 and found them to be virtually identical.

There were only two differences that we found between the two Codes.

1. ULC S664 Section 5.8.5 “Extreme Low Temperature Impact Test – requires testing at -40°F and our tests were conducted at a minimum temperature of -30°F.
2. ULC S664 Section Appendix B 1.1 Defines 21 specific grades of fuel while UL US defines four grades of fuel, which covers the wide range of fuels commonly used by gasoline and diesel-powered vehicles.

Furthermore, we have reviewed the UL (US) website which contains the following relevant statement confirming the sharing of UL specifications between UL – US and UL - Canada:

## “UL STANDARDS: ACCREDITED IN THE US AND CANADA

In the US, UL is accredited by the American National Standards Institute (ANSI) as an audited designator. In 2013, UL was accredited by the Standards Council of Canada (SCC) as a nationally recognized Standards Development Organization (SDO) able to develop National Standards of Canada (NSCs).

UL's Standards Technical Panels (STPs) serve as the consensus body for both American National Standards (ANS) and National Standards of Canada (NSC). Essential information About UL's standards development programs, how to Access Standards, and how to participate in the UL programs used to Develop Standards is available on this site.”

It should not be inferred that our test of DPM products addresses the issue of long-term quality control issues as both UL (US) and UL Canada do with their annual subscription programs.

Disclaimer: Underwriters Laboratories (UL – US & UL - Canada) are independent testing laboratories and use of, in any way, of the UL Listing or Registered Trademark UL is prohibited unless specifically authorized by Underwriters Laboratories (US or Canada).

Very truly yours,



N.D. Eryou, Ph.D., P.E.  
Eryou Engineering  
[dennis@eryouengineering.com](mailto:dennis@eryouengineering.com)

**N.D. Eryou, PhD, PE**  
**Consulting Engineer**

**Florida Office**  
1460 Breezy Way  
Spring Hill, FL 34608  
352.684.7275  
[Alex@eryouengineering.com](mailto:Alex@eryouengineering.com)

**Southwest Florida Office**  
5051 Castello Drive, Suite 244  
Naples, FL 34103  
239.530.4301  
[dennis@eryouengineering.com](mailto:dennis@eryouengineering.com)

**New Jersey Office**  
107 Lincoln Avenue  
Florham Park, NJ 07932  
973.919.6842  
[robert@eryouengineering.com](mailto:robert@eryouengineering.com)

### NOTICE OF COMPLETION OF THIRD-PARTY UL 2447 EVALUATION

October 22, 2020

Mr. Josh Dow  
Diversified Products Manufacturing Inc  
5523 Baggett Marysville Rd  
Oroville, CA 95965

RE: NDE Reference No: NDE20201020  
Third-Party Certification under UL 2447- Outline of Investigation for  
Fittings Accessories for Fuels

Products Evaluated: Split Repair Fittings & Test Reducers for Containment Sumps for Fuels  
PF-Penetration Fittings Series, Sump Entry Fittings and Test Reducers  
SR- Split Repair Sump Entry Fittings and Test Reducer Series  
FG/PG Spilt Repair Series  
CH- Series, All Chemicals used in the installation process

## SU- Sumps and Accessories

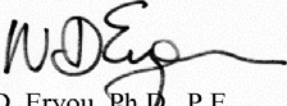
Dear Mr. Dow

In reference to the above listed products, we have performed our UL 2447 Third-Party inspection and testing. All products listed were determined to comply with the “Outline of Investigation for Fittings and Accessories for Fuels”.

It is our opinion that both the design and materials used in the above products are based on sound engineering principles and the materials are compatible with all motor fuels and additives currently being used including fuels containing >10% ethanol or 20% biodiesel. Therefore, the Spill Containment Liner should have the same chemical resistance to the UL 2447 test fuels as the DPM “Products Evaluated“ listed above.

Disclaimer: Underwriters Laboratories (UL) is an independent testing laboratory and use of, in any way, of the UL Listing or Registered Trade Mark UL is prohibited unless specifically authorized by Underwriters Laboratories.

Very truly yours,



N.D. Eryou, Ph.D., P.E.







## Reference Data

### Chemicals Wizard for Repair Products



Site Information:

Quantity	Quick Selection Chart - Repair Products											
	Epoxy oz DEB	Bonder ml DBB V	Cleaner Cans DBC II	Fill ml DBF III	Putty Stick DSP-4	Glue Kit oz DGK-4	Total DEB oz	Total DBB V ml	Total DBC II Cans	Total DBF III ml	Total DSP-4 sticks	Total DGK-4 oz
PG-U 2.0	3.9	0	0.1		0.25	0	0	0	0	0	0	0
PG-U 3.5 for Cond & FRP	8.0	0	0.1		0.25	0	0	0	0	0	0	0
PG-U 4.0 for 8 stud	8.9	0	0.1		0.25	0	0	0	0	0	0	0
PG-U 5.0	11.0	0	0.1		0.50	0	0	0	0	0	0	0
PG-U 6.0	31.0	0	0.1		0.50	0	0	0	0	0	0	0
PG-U 8.5	46.8	0	0.1		1.00	0	0	0	0	0	0	0
PG-S 4SM	1	0	0.1		0.25	0	0	0	0	0	0	0
PG-S 4M	0.5	0	0.1		0.25	0	0	0	0	0	0	0
PG-S 4	7.6	0	0.1		0.25	0	0	0	0	0	0	0
PG-S 4OPW	7.9	0	0.1		0.25	0	0	0	0	0	0	0
PG-S 8	3.6	0	0.1		0.50	0	0	0	0	0	0	0
PG-S 8OPW	3.6	0	0.1		0.50	0	0	0	0	0	0	0
PG-S 10	6.8	0	0.1		0.50	0	0	0	0	0	0	0
PG-S 10OPW	4.4	0	0.1		0.50	0	0	0	0	0	0	0
SR-4SDF Series	0	13	0.1		0.25	0.16	0	0	0	0	0	0
SR-8SDF Series	0	20	0.1		0.50	0.24	0	0	0	0	0	0
SR-10SDF Series	0	24	0.1		0.75	0.32	0	0	0	0	0	0
SR-4SDF-OPW Series	0	13	0.1		0.25	0.16	0	0	0	0	0	0
SR-8SDF-OPW Series	0	20	0.1		0.50	0.24	0	0	0	0	0	0
SR-10SDF-OPW Series	0	24	0.1		0.75	0.32	0	0	0	0	0	0
SR-RZ 1.4 Series	0	0	0.1		0.00	0.16	0	0	0	0	0	0
SR-RZ 2.5 Series	0	0	0.1		0.00	0.16	0	0	0	0	0	0
SR-RZ 3.0 Series	0	0	0.1		0.00	0.24	0	0	0	0	0	0
SR-RZ 3.6 Series	0	0	0.1		0.00	0.24	0	0	0	0	0	0
SR-RZ 4.5 Series	0	0	0.1		0.00	0.24	0	0	0	0	0	0
SR-RZ 5.0 Series	0	0	0.1		0.00	0.32	0	0	0	0	0	0
SR-RZ 6.7 Series	0	0	0.1		0.00	0.32	0	0	0	0	0	0
SR-RKZ SDP Repair Kits	0	12	0.2	5	0.00	0.5	0	0	0	0	0	0
SR MKZ Cuff Small	0	0	0.3	384	0.30	0.5	0	0	0	0	0	0
SR MKZ Cuff Medium & Large	0	0	0.3	1242	0.50	0.8	0	0	0	0	0	0
SR MKZ Cuff for Corrugated Ducting	20	0	0.3	20	0.50	0.6	0	0	0	0	0	0
SR-VRCK-2	0	10	0.2	0	0.00	0	0	0	0	0	0	0
SR-VRCK-3	0	10	0.2	0	0.00	0	0	0	0	0	0	0
SR-VCRK-3x2	0	10	0.2	0	0.00	0	0	0	0	0	0	0
SR-TRK 14x4.5	0	50	0.5	2366	0.00	0.3	0	0	0	0	0	0
SR-CDCK - 3.5	0.5	0	0.2	249	0.00	1.5	0	0	0	0	0	0
SR-CDCK - 5.0	0.5	0	0.2	932	0.00	1.5	0	0	0	0	0	0
SR-CDRK	0	20	0.2	42	0.25	0.5	0	0	0	0	0	0
SR-RFA	0	0	0	0	0.00	0.5	0	0	0	0	0	0
							0	0	0	0	0	0

DEB Bulk 13 Can sets of 13 oz Bulk pack of 9 each 13 oz cans	0 0.0	DBB V in 50 ml cartridges Cases of 15 each 50 ml cartridges sets	0 0.0	DBC II Cans of Cleaner Cases of 12 aerosol cans of DBC II	0 0.0
DBF III in 20 oz cartridge sets Cases of 18 each 20 oz cartridges	0.0 0.0	DSP-4 Sticks of Super Putty Cases of 12 sticks of Super Putty	0 0.0	DGK-4 glue Kits Cases of 4 each DGK-4 Cases of 10 each DGK-4	0.0 0.0 0.0
DEIK Installation Kits Additional DEB Bulk 13 Epoxy Kits Or Additional DBF III 20oz Additional Super Putty	0 0 0 0	DGK-4 Glue Kits DBB V Bulkhead Bonder DBC II Cleaner Cans	0 0 0		



## Reference Data



### Chemical Wizard for Fiberglass Penetrations and Tank Sumps

	Quantity	Bonder-ml DFB	Cleaner-cans DBC II	Epoxy DEB	Total DFB	Total DBC II	Total DEB	
<b>Factory Mounting</b>								
<b>Penetrations</b>								
PF-FGC (factory ES)		0.15	0.1	0	0	0.0	0	FGC Series Compact Penetrations
PF-FGT (factory ES)		0.23	0.1	0	0	0.0	0	FGT-Series Fiberglass Fittings w/ bonded Adaptor
PF-BC (factory ES)		0.02	0.1	0	0	0.0	0	BC Series conduit Penetrations
<b>Interstice Seals &amp; SMK</b>								
ES-IS-5.0 (Factory ES)		0.02	0.1	0	0	0.0	0	Interstice Seal for Penetrations
ES-IS-2.0 (Factory ES)		0.01	0.1	0	0	0.0	0	Interstice Seals for Bonded Conduits
SMK Mtg Bars (Factory ES)		0.01	0.05	0	0	0.0	0	Mounting Bars for SMK Kits
<b>Field Mounted</b>								
<b>Penetrations</b>								
PF-FGC-x.x-DB		0.17	0.1	0	0	0.0	0	Compact Direct Bury
PF-FGC-x.x-CD		0.35	0.1	0	0	0.0	0	Compact Corr Duct
PF-FGC-2.38-DB		0.17	0.1	0	0	0.0	0	Compact For FRP
PF-FGT-2.4		0.37	0.1	0	0	0.0	0	Threaded single Wall- 2"
PF-FGT-3.6		0.47	0.1	0	0	0.0	0	Threaded single Wall- 3"
PF-FGT-3x2		0.67	0.1	0	0	0.0	0	Threaded 3" over 2"
PF-FGT 2" LCX		0.55	0.1	0	0	0.0	0	Threaded 2" LCX
PF-FGT 4 x3		0.8	0.1	0	0	0.0	0	Threaded 4" over 4"
PF-FGT 3" LCX		0.7	0.1	0	0	0.0	0	Threaded 3" LCX
PF-BC-1.1 to sump		0.02	0.1	0	0	0.0	0	Bonded Conduit 3/4" to sump
PF-BC-1.1 to Pipe in field		0.15	0.1	0	0	0.0	0	Bonded Conduit 3/4" to pipe in field
PF-BC-1.4 to Sump		0.02	0.1	0	0	0.0	0	Bonded Conduit 1" to sump
PF-BC-1.4 to Pipe in field		0.15	0.1	0	0	0.0	0	Bonded Conduit 1" to pipe in Filed
PF-FGT-x.xFPTx2G		0.17	0.1	0	0	0.0	0	AG UDC Penetration
2" Bonded x Sanitary Adaptor		0.08	0.1	0	0	0.0	0	Bonding 2" Sanitary Adaptor
3" Bonded x Sanitary Adaptor		0.16	0.1	0	0	0.0	0	Bonding 3" Sanitary Adaptor
<b>Tank Sumps</b>								
SU-TKSF-42 (Collar)		0	0.3	4.3	0	0.0	0	Epoxy Bonder for 42" Collar Mount
SU-TKSF-48 (Collar)		0	0.3	4.9	0	0.0	0	Epoxy Bonder for 48" Collar Mount
SU-TKSF-BM (Bung)		0	0.3	0.9	0	0.0	0	Epoxy Bonder for Bung Mount
SU-TKSF Base to riser		0	0.3	3.3	0	0.0	0	Epoxy Bonder for base to riser
<b>TKSF-Rope</b>								
SU-TSFA-42 (Collar)		0	0.3	4.3	0	0.0	0	Rope Kit for DW riser bond SU-TKSF Sumps
SU-TSFA-48 (Collar)		0	0.3	4.9	0	0.0	0	Epoxy Bonder for 48" Collar Mount
SU-TSFA-MB (Bung)		0	0.3	0.9	0	0.0	0	Epoxy Bonder for Bung Mount
SU-TKSF Base to riser		0	0.3	3.3	0	0.0	0	Epoxy Bonder for base to riser
<b>TSFA-Rope</b>								
SU-TKSF-Ext		0	0.3	0.3	0	0.0	0	Epoxy Bonder For Extensions
SU-TSFA-Ext		0	0.3	0.3	0	0.0	0	Epoxy Bonder for Extensions
<b>Interstice Seals</b>								
ES-IS-5.0		0.05	0.05	0	0	0.0	0	Interstice Seal for 4.5" OD Penetrations
ES-IS-2.0		0.03	0.05	0	0	0.0	0	Interstice Seal for Bonded Conduit Fittings
<b>Other</b>								
SU-SMK-x.x		0.01	0.05	0	0	0.0	0	Mounting Bar for SMK
<hr/>								
					Totals	0	0.0	0.0
DFB-50 ml cartridges Field	0.0	DBC II Cans of Clear		0.0	DEB Bulk 32 Oz		0	or
Cases of 15 cartridges	0.0	Cases of 12 cans		0	DEB Bulk 5#		0	or
DFB Factory Engr systems	0	DBC II for Eng Sys		0.0	DEB Bulk 15#		0	



## Reference Data



### Chemicals Wizard Threaded & Studded Penetrations & Tank Sumps

#### Penetration Fittings

links to Price Lists	Quantity	Bonder-ml DBB V	Cleaner-cans DBC II	Fill-oz. DFF	Total DBB V	Total DBC II	Total DFF
<a href="#">B2</a>		8	0.1	0	0	0.0	0
<a href="#">B3.5</a>		15	0.1	0	0	0.0	0
<a href="#">B5</a>		20	0.1	0	0	0.0	0
<a href="#">B6</a>		24	0.1	0	0	0.0	0
<a href="#">B2D</a>		16	0.1	0	0	0.0	0
<a href="#">B3.5D</a>		30	0.1	0	0	0.0	0
<a href="#">B5D</a>		40	0.1	0	0	0.0	0
<a href="#">B6D</a>		48	0.1	0	0	0.0	0
<a href="#">4S</a>		13	0.1	0	0	0.0	0
<a href="#">8S</a>		20	0.1	0	0	0.0	0
<a href="#">10S</a>		24	0.1	0	0	0.0	0
<a href="#">12S</a>		28	0.1	0	0	0.0	0
<a href="#">T4S</a>		26	0.2	0	0	0.0	0
<a href="#">T8S</a>		40	0.2	0	0	0.0	0
<a href="#">T10S</a>		48	0.2	0	0	0.0	0
<a href="#">T12S</a>		56	0.2	0	0	0.0	0
<a href="#">4D</a>		26	0.1	0	0	0.0	0
<a href="#">8D</a>		40	0.1	0	0	0.0	0
<a href="#">10D</a>		48	0.2	0	0	0.0	0
<a href="#">12D</a>		56	0.2	0	0	0.0	0
<a href="#">4F</a>		26	0.2	6	0	0.0	0
<a href="#">8F</a>		40	0.2	15	0	0.0	0
<a href="#">10F</a>		48	0.2	16	0	0.0	0
<a href="#">12F</a>		56	0.2	10	0	0.0	0
<a href="#">4M</a>		40	0.3	16	0	0.0	0
<a href="#">8M</a>		54	0.3	26	0	0.0	0
<a href="#">10M</a>		62	0.3	45	0	0.0	0
<a href="#">12M</a>		0	0	0	0	0.0	0
					0	0	0

DBB V-50 ml cartridges	0	DBC II Cans of Cleaner	0	DFF 20 oz cartridge sets
Cases of 15 cartridges	0.0	Cases of 12 cans	0	Cases of 18 cartridge sets

#### Tank Sumps and Related Sump Products





links to Price Lists	Quantity	Cleaner-cans DBC II	Epoxy - lbs. DEB	Total DBC-cans	Total DEB lb.
<a href="#">TSA Adaptor</a>		0.5	0.9	0	0
<a href="#">TKS Riser</a>		0.5	3.3	0	0
<a href="#">TKS Extension</a>		0.5	3.3	0	0
<a href="#">TKS 42" Collar</a>		0.5	4.3	0	0
<a href="#">TKS 48" Collar</a>		0.5	4.9	0	0
<a href="#">TS 24" Ext</a>		0.5	1.6	0	0
<a href="#">TS 36" Ext</a>		0.5	2.5	0	0
<a href="#">TS 48" Ext</a>		0.5	3.3	0	0
<a href="#">TS 60" Ext</a>		0.5	4.9	0	0
				0	0.0

CH-DEB 5 lb. (two 2.5# containers)	0.0	CH-DEB 15 lb. (two 7.5# pails)	0.0
Cases of 4 Each DEB 5 lb. KITS	0.0	Cases of CH-DEB 15 lb. pails are 1 each	0.0



**Reference Data**  
Chemicals Wizard for Sunoco



	Quantity	Application	Product Number	Fill Materials Ounces	Bonding Materials Milliliters	Cleaning Materials Cans	Total DBF III	Total DBB V	Total DBC II
	_____	3/4" Rigid Conduit	.Sun 4F-1.1	3.5	26	0.1	0	0	0
	_____	1" Rigid Conduit	.Sun 4F-1.4	3	26	0.1	0	0	0
	_____	2" FRP Pipe	.Sun 8F-2.4	11.2	40	0.1	0	0	0
	_____	2" LCX Pipe	.Sun 8F-2.7	9.8	40	0.1	0	0	0
	_____	3" FRP Pipe	.Sun 8F-3.6	3.3	40	0.1	0	0	0
	_____	3" LCX Pipe	.Sun 10F-3.8	22.1	48	0.2	0	0	0
	_____	4" FRP Pipe &	.Sun 10F-4.6	20	48	0.2	0	0	0
	_____	4" Corrugated Duct							
	_____	4" LCX Pipe	.Sun 10F-4.8	15	48	0.2	0	0	0
	_____	6" FRP Pipe	.Sun 12F-6.7	6	56	0.3	0	0	0
Totals							<u>0</u>	<u>0</u>	<u>0</u>
Number of cartridges or cans							0	0	0
Case Size							18	15	12
# of Cases Required							0	0	0



## Reference Data

### Chemicals Wizard for Fiberglass Repair Products



Split Fiberglass Penetration Fittings									
links to	Quantity	Bonder-ml	Cleaner-cans	Epoxy-ml	Putty-oz	Total	Total	Total	Total
Price Lists		DFB	DBC II	DEB	DSP-4	DFB	DBC II	DSP-4	DEB
<a href="#">SR-FG-S 4-1.4</a>			0.1	90	1	0	0.0	0	0
<a href="#">SR-FG-S 8-2.0</a>			0.1	135	1	0	0.0	0	0
<a href="#">SR-FG-S 8-2.5</a>			0.1	105	1	0	0.0	0	0
<a href="#">SR-FG-S 8-2.7</a>			0.1	95	1	0	0.0	0	0
<a href="#">SR-FG-S 8-3.0</a>			0.1	75	1	0	0.0	0	0
<a href="#">SR-FG-S 8-3.6</a>			0.1	65	1	0	0.0	0	0
<a href="#">SR-FG-S 10-2.5</a>			0.1	235	2	0	0.0	0	0
<a href="#">SR-FG-S 10-2.7</a>			0.1	230	2	0	0.0	0	0
<a href="#">SR-FG-S 10-3.0</a>			0.1	225	2	0	0.0	0	0
<a href="#">SR-FG-S 10-3.6</a>			0.1	210	2	0	0.0	0	0
<a href="#">SR-FG-S 10-4.5</a>			0.1	165	2	0	0.0	0	0
Split Fiberglass Reducers									
<a href="#">SR-FGR-3.6x2.4ASS</a>		40	0.1	0	0	0	0.0	0	0
<a href="#">SR-FGR-4.5x3.6ASS</a>		50	0.1	0	0	0	0.0	0	0
<a href="#">SR-FGR-2.7x2.4ASS</a>		35	0.1	0	0	0	0.0	0	0
<a href="#">SR-FGR-3.8x3.6ASS</a>		45	0.1	0	0	0	0.0	0	0
						0	0.0	0	0
DFB-50 ml cartridges	0.0		DBC II Cans of Cleaner	0.0			DEB 13 oz. sets	0.0	
Cases of 15 cartridges	0.0		Cases of 12 cans	0			Cases of 9 Cans	0.0	
			DSP-4 Putty	0.0					
			Cases of 12 tubes	0					



## Reference Data



### Chemical Compatibility Reference

The data shown are the result of laboratory tests performed and reported by Diversified's materials suppliers. No performance warranty is intended or implied by either Diversified or its suppliers. Some manufacturers present their information in different formats. This chart is an effort to combine all data into one format.

When considering "chemical resistance" or "compatibility" of a material for a specific application, it is important to study other requirements such as permeability, service temperature, concentration, size to be contained, etc. A sample of materials should be tested in actual service before specification.

Other considerations are impurities and temperature. Impurities are often found in industrial compounds. These impurities generally affect the chemical resistance or the end product. Temperature increases generally reduce "chemical resistance" of a material.

#### Diversified Products Materials List

Application	Description	Material
Split Flexible Repair Products	Injection Molded Polymer	Melt Processable Rubber
Flex Jackets	Estane	Polyester urethane
Terminating and Test Reducers	Injection Molded Polymer	Melt Processable Rubber
Centralizers and Seals	Injection Molded Polymer	Melt Processable Rubber
Bulkhead Rigid Components	Celcon	Acetal Copolymer
Bulkhead Flexible Components	Injection Molded Polymer	Melt Processable Rubber
Molded Fiberglass Products	Injection Molded Fiberglass	Fiberglass/Nylon
Formed Sumps	Fiberglass Matt & Resin	Isophthalic Resin and Fiberglass

#### Rating Key

- A-Fluid has little or no affect
- B-Fluid has minor to moderate effect
- C- Fluid has Severe effect
- T-No Data - Likely to have a minor effect
- X-No Data - Likely to have a severe Effect
- No Data

#### TPT - Third Party Tested by Independent Laboratories/Engineers

- UL-Underwriters Laboratories
- NDE N.D. Eryou NDE 20201020 Ref UL 2447

Fluid	Viton Reference Material	Injection Molded Polymer	Celcon Penetrations	Molded Fiberglass Components	Isophthalic Resins	Fiberglass Matt
Acetaldehyde	C		A			-
Acetic acid, 5%	-		B			A
Acetic Acid, 20%	C		-			A
Acetic Acid,30%	C		-			A
Acetic Acid glacial	C		B			A
Acetic anhydride	C		X			A
Acetylene	A		A			-
Aluminum Sulfate Solutions	A		C			-
Aluminum Chloride Solutions	A		-			A
Ammonia, Anhydrous	C		X			-
Ammonium Chloride	A		X			C
Ammonia Hydroxide Solutions	A		B			C

Fluid	Viton Reference Material	Injection Molded Polymer	Celcon Penetrations	Molded Fiberglass Components	Isophthalic Resins	Fiberglass Matt
Amyl Acetate	C		X			-
Amyl Alcohol	A		-			-
Aniline	A		A			-
ASTM oil #1	A		-			-
ASTM oil #2	A		-			-
ASTM reference fuel A	A		-			-
ASTM reference fuel B	A		-			-
ASTM reference fuel C	A		-			-
Asphalt	A		B			-
Barium Hydroxide Solutions	A		-			-
Beer	A		A			-
Benzaldehyde	C		-			-
Benzene	B		A			C
Benzoyl chloride	B		-			-
Borax solutions	A		-			-
Bromine, anhydrous liquid	B		-			-
Butane	A		B			-
Butyl Acetate	C		-			-
Butyraldehyde	C		-			-
Butyric acid	T		X			-
Calcium Bisulfates Solutions	A		X			-
Calcium Chloride Solutions	A		X			A
Calcium Hydroxide Solutions	A		X			C
Calcium Hypochlorite, 5%	A		A			-
Calcium Hypochlorite, 20%	C		A			-
Carbon Bisulfide	A		B			-
Carbon Dioxide	A		A			-
Carbon Monoxide	T		B			-
Carbon Tetrachloride	A		B			-
Castor Oil	A		-			-
Chlorine Gas, Dry	A		X			C
Chlorine Gas, Wet	B		X			C
Chloroacetic Acid	C		X			-
Chlorobenzene	A		A			C
Chloroform	A		B			-
Chlorosulfonic Acid	C		X			-
Chromic Acid 10-50%	A		X			-
Citric Acid Solutions	A		B			A
Copper Chloride Solutions	A		B			A
Copper Sulfate Solutions	A		A			A
Cottonseed oil	A		B			-
Creosote Oil	A		X			-
Cyclohexane	A		-			C
Dibuty Phthalate	B		-			-
Diethyl Sebacate	B		-			-
Diocetyl Phthalate	B		-			-
DPW THERM A	A		-			-
Epichlorohydrin	C		A			-
Ethyl Acetate	C		A			-
Ethyl Chloride	A		-			-
Ethyl Alcohol	A		A			-
Ethyl Ether	C		-			-
Ethylene Dichloride	A-B		B			C
Ethylene Glycol	A		A			A
Ethylene Oxide	C		-			-
Exxon 2380 Turbo Oil	A		-			-
Ferric Chloride Solutions	A		A			A
Florosilicic Acid	T		-			-
Formaldehyde, 40%	A		A			-
Formic Acid	C		X			-
FREON 11	A-B		-			-
FREON 12	A-B		-			-
FREON 22	C		-			-
FREON 113	A		-			-
FREON 114	B		-			-
Furfural	C		B			-
Fyrquel 22 (hydraulic fluid)	A		-			-
Gasoline A	A		A			A

Fluid	Viton Reference Material	Injection Molded Polymer	Celcon Penetrations	Molded Fiberglass Components	Isophthalic Resins	Fiberglass Matt
Glue	A		B			-
Glycerin	A		A			A
N-Hexane	A		C			-
Hydrazine	C		B			-
Hydrofluoric Acid 48%	A		X			C
Hydrofluoric Acid 75%	B		X			C
Hydrofluoric Acid anhydrous	A		X			C
Hydrogen	A		-			-
Hydrogen Peroxide 90%	A		-			-
Hydrogen Sulfide	B		C			A
Isooctane	A		-			-
Isopropyl Alcohol	A		A			C
Isopropyl ether	C		-			-
JP-4	A		A			A
JP-5	A		A			A
JP-6	A		A			A
Kerosene	A		A			A
Lacquer Solvents	C		B			-
Lactic Acid	A		C			A
Linseed Oil	A		A			A
Lubricating Oils	A		A			-
Magnesium Chloride solutions	A		B			A
Magnesium Hydroxide Solutions	A		A			A
Mercuric Chloride Solutions	A		B			A
Mercury	A		C			-
Methyl Alcohol	B		A			-
Methyl Ethyl Ketone	C		X			-
Methylene Chloride	B		-			-
Mineral Oil	A		A			A
Mobile XRB 206A	A		-			-
Naptha	A		A			A
Napthalene	A		A			-
Nitric Acid 10%	A		-			B
Nitric Acid 30%	A		-			B
Nitric Acid Red Fuming	B		-			B
Nitrobenzene	B		B			-
Oleic Acid	B		B			-
Oleum 20-25%	A		-			-
Palmitic Acid	A		-			-
Perchloroethylene	A		A			-
Phenol	A		X			-
Phosphoric Acid 20%	A		-			A
Pickling solution	A		-			-
Picric acid	A		-			-
Potassium dichromate solutions	A		C			A
Potassium hydroxide, dilute solutions	A		C			C
Propylene glycol	A		C			A
Pedrail 312C	A		-			-
Pyridine	C		-			-
OFl-2023 (silicone brake fluid)	A		A			-
SAE #10 oil	A		A			-
Sea Water	A		A			-
Shell Turbine Oil 307	B		-			-
Silicone Grease	A		-			-
SKYDROL 500	C		-			-
SYLDROL 450	C		-			-
Soap Solutions	A		A			-
Sodium Chloride Solutions	A		B			A
Sodium Dichromate, 20%	A		-			-
Sodium Hydroxide, 20%	A		X			B
Sodium Hydroxide 5%	A		X			B
Sodium peroxide solutions	A		X			-
Soy Bean Oil	A		B			-
Stannic Chloride	A		-			A
Stannous Chloride, 15%	A		-			-
Steam (see water)	B		-			-
Stearic Acid	T		C			-



Fluid	Viton Reference Material	Injection Molded Polymer	Celcon Penetrations	Molded Fiberglass Components	Isophthalic Resins	Fiberglass Matt
Styrene	A		-			C
Sulfur, molten	A		A			-
Sulfur dioxide, gas	T		B			-
Sulfur dioxide liquid	T		B			-
Sulfur Trioxide	T		-			B
Sulfuric Acid up to 5%	A		-			B
Sulfuric Acid 5-10%	A		-			B
Sulfuric Acid 10-50%	A		-			B
Sulfuric Acid 95%	A		-			B
Sulfuric Acid, fuming (20% oleum)	A		-			B
Sulfurous Acid	C		X			-
Sunoco XS-820	A		-			-
Tannic Acid, 10%	A		X			-
Tetrachloroethane	A		X			-
Tartaric Acid	A		X			B
Tetrachloroethane	A		X			-
Tartaric Acid	A		X			-
Tetrahydrofuran	C		A			-
Toluene	B		B			C
Tributyl phosphate	C		-			-
Trichloroethylene	A		B			-
Tricresol phosphate	A		-			-
Triethanolamine	C		B			-
Trisodium Phosphate solutions	A		-			-
Tung Oil	A		-			-
Turpentine	A		A			-
Water	A		A			-