



## Diversified's Repair Paste DRP



Static Mixing Tube - SM

Applicator Gun - DAG

### FEATURES and BENEFITS

- Proprietary formulated polysulfide
- Bonds to fiberglass sumps and pipes
- Adheres to Polyurethane and Alcryn flexible membranes
- Adheres to Galvanized Steel Pipes
- Gell Time: 15-20 minutes, Tack Free Time: 40-60 minutes
- Fuel compatible – Third Party Approved

### Product Matrix

Diversified's Repair Paste (DRP) was developed to fill any interstice created by a double walled bulkhead fitting or Split Repair Boot. DRP when cured is very flexible allowing the membrane of the penetration fitting to absorb the shock associated with movement in the system caused by hydraulic hammer, differential settling or earthquake. Polysulfide is highly fuel compatible and is used to form fuel cells in the wings of aircraft.

The fill material is intended to form a stand alone permanent barrier to leaks. Should the flexible membranes of the penetration fitting be breached for any reason, DRP when properly installed will form a permanent barrier to fuel and water migration through the fitting DRP is available in dual 10.5 oz cartridges (21 oz total) and is designed to be applied using Diversified's applicator gun DAG. DRP is supplied in Diversified's series of bulkhead installation kits, and in individual cartridge sets. Cartridge sets are bulk boxed for ease of shipment.

DRP cartridges are designed for use with Diversified's SM series of ½ x 30 element static mixing wands. These wands are recommended to ensure proper mixing and back pressure.

Prior to installation, properly clean all surfaces of loose dust, dirt, rust, grease, mold release agents, oil and any material that will interfere with the bonding process. Diversified's DBC aerosol cleaner is recommended for use with Weaver bulkheads manufactured by DPM Inc, fiberglass sumps, fiberglass pipes, metal and plastic conduits. DBC is an excellent cleaner/primer for use on other substrates. DBC is supplied in Diversified's series of bulkhead installation kits and in cases of 12.

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## **Diversified's Repair Paste**

### **DRP**

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Cured product may be disposed of without restriction. The uncured isocyanate and resin portions should be mixed together and disposed of in a normal manner. "Drip free" containers should be disposed of in accordance with local, state and federal laws.

MSDS sheets are available in DPM's Master MSDS manual or DPM's Contractor Catalog, available from stocking distributors, on Diversified's web site [www.diversifiedproductsmfg.com](http://www.diversifiedproductsmfg.com) and are available upon request directly from Diversified. All personnel should read and understand the safety recommendations. Keep uncured product away from children at all times.

DRP may be shipped via most commercial truck lines, class 55, or via UPS. The "A" and "B" side of DRP is unregulated.

DRP has a shelf life of 1 year from the date of filling. This date is located on the label of each cartridge set. Keep away from extreme heat, freezing and moisture. Proper storage temperature is between 50F and 90F. The components used in the DRP formulation have been specifically formulated to withstand low temperature applications. If the temperature of the material is below 32F, it is recommended to warm the product to a minimum of 60°F before application. **WARNING:** Store cartridges horizontally. Vertical storage could lead to separation of chemicals and may cause the final product to not properly cure.

Refer to MSDS sheets and Installation Instructions for proper handling and installation of the product.



## Chemical Compatibility Reference DRP

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.

Substance	Rating	Substance	Rating	Substance	Rating
Acetic Acid, 5%	2	Ferric Chloride	2	Perchloroethylene	3
Acetic Acid, 25%	2	Ferrous Sulfate, 10%	1	Phenol, 5%	NR
Acetic Acid, 50%	2	Formic Acid, 10%	NR	Phenol, 85%	NR
Acetic Acid, glacial	3	Formic Acid, 90%	NR	Phenolic Resins	1
Acetone	2	Formic Acid, 98%	NR	Phosphoric Acid, 50%	2S
Acrylonitrile	3	Fuel Oil/Diesel Fuel	1	Phosphoric Acid, 60%	2S
Aluminum sulfate	1	Gasoline, Leaded	1	Phosphoric Acid, 75%	3S
Ammonium chloride	1	Glycerin	1	Phosphoric Acid, 85%	NR
Ammonium hydroxide	2	Heptane	1	Phosphoric Acid, 100%	NR
Ammonium Nitrate	2	Hexane	1	Pthalic Acid	NR
Ammonium Perchlorate, 50%	1	Hexylene Glycol	1	Pickling solution (20% nitric acid 4% HF)	3
Ammonium Persulfate	1	Hydrochloric Acid, 10%	2	Potassium Carbonate, 1%	1
Ammonium Polyphosphate	1	Hydrochloric Acid, 20%	2	Potassium Carbonate, 25%	2
Amyl alcohol	1	Hydrochloric Acid, 37%	NR	Potassium Hydroxide, 10%	1
Aniline	N/R	Hydrofluoric Acid, 10%	1	Potassium Hydroxide, 45%	1
ASTM oil #1		Hydrofluoric Acid, 20%	2	Potassium Permanganate	NR
Barium hydroxide, 10%	1	Hydrofluoric Peroxide, 30%	2	Propylene Glycol	1
Benzene	N/R	Isobutyl Alcohol	1	Skydrol 500B	2
Benzoflex 9-88	3	Isopropyl Alcohol	1	Soap Solutions	3
Benzoic Acid	2	Jet Fuels	1	Sodium Bicarbonate	1
Boric Acid	1	Kerosene	1	Sodium Chloride	1
Bromine, liquid	N/R	Lacquer Solvents	1	Sodium Cyanide	2
Butyl acetate	3	Lactic Acid	3	Sodium hydroxide, 10%	2
Butyl Cellosolve	1	Linseed oil	1	Sodium hydroxide, 25%	2
Butyl Cellosolve Acetate	3	Magnesium Chloride	1	Sodium hydroxide, 50%	2
Butyl Oxitol	1	Magnesium Hydroxide	1	Sodium hypochlorite, 5%	NR
Calcium Chloride	1	Maleic Anhydride, 25% Slurry	1	Sodium hypochlorite, 8%	NR
Calcium Hydroxide	1	Methanol	1	Sodium Sulfide	1
Calcium hypochlorite	1	Methyl Alcrylate	3	Sreatic Acid	1
Carbon Disulfide	N/R	Methyl Ethyl Ketone	3	Styrene	NR
Carbon tetrachloride	3	Methyl Methacrylate	3	Sulfuric Acid, 20%	1
Carbitol Acetate	N/R	Methyl tert-Butyl Ether, 98%	1	Sulfuric Acid, 50%	3
Chlorinated Water, 100 ppm	1	Methylene Chloride	NR	Sulfuric Acid, 66%	NR
Chlorobenzene	N/R	Mineral Spirits	1	Tetrahydrofuran	NR
Chromic Acid, 10-35%	N/R	Monochloroacetic Acid	NR	Tetrahydrofurfural Alcohol	NR
Citric Acid	2	Motor Oil 10W/40	1	Toluene	3
Creosote	N/R	Muriatic Acid	NR	1,1,1, Trichloroethane	3
Cresylic Acid	N/R	N-Butyl Acrylate	3	Trichloroethylene	NR
Cumene Hydroperoxide	N/R	N-Butyl Alcohol	1	Trion X100	2
Cyclohexane	1	Naphtha	1	Urea, 10%	1
Diesel Fuel	1	Naptha VM&P	1	Urea Ammonium Nitrate, 32%	1
Diethylene Glycol	1	Naphthalene	3	Vinylidene Chloride	3
Epichlorohydrin	N/R	Nitric Acid, 10%	NR	Vinyl Acetate	1
Ethyl acetate	2	Nitric Acid, 20%	NR	Water, Tap	1
Ethyl acrylate	3	Nitric Acid, 30%	NR	Xylene	3
Ethyl Alcohol	1	Nitric Acid, 60%	NR	Zinc Chloride	1
2-Ethyl Hexyl Acrylate	1	Oleic Acid	1	Zinc Nitrate, 17%	1
Ethylene Dichloride	N/R	Oxalic Acid	1		
Ethylene glycol	2	Perchloric Acid, 10%	3		

### Key to Guide Codes

- 1 - Product is suitable for use in immersion and/or splash and spillage conditions.
- 2 - Product is suitable for occasional and intermittent contact for periods up to 72 hours in duration.
- 3 - Product is suitable for occasional and intermittent contact for short time periods with frequent washings.
- S - Product may be stained by this product.
- NR - Not recommended for this application.



## **Chemical Compatibility Reference**

### **DRP**

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The data on this sheet is based on short term (30 - 60 days) laboratory immersion tests in a controlled environment (72 - 77 deg F). It is to be used only as a guide in selecting the proper sealant for a particular environment. Many factors must be considered when choosing the correct product for an application, including:

- Chemical or combination of chemicals exposure
- Operating temperature
- Temperature fluctuations
- Type of substrate and its condition
- Mechanical abuse
- The degree of protection required

It is always best to test a product in the specific chemical environment prior to use.

### **Warranty**

The technical data and any other printed information furnished by Diversified Products Mfg LLC is true and accurate to the best of our knowledge. DRP conforms to in-house quality control procedures and should be considered free of defects. Due to the wide range of applications of this product, it is impossible to assume responsibility for any errors in regard to application, coverage, workmanship, over-spray, or injuries resulting from the use of this product. Diversified Products Mfg LLC makes no warranty express or implied, of this product and shall not be liable for indirect or consequential damage in any event.