

User's Guide/Specifications

Metal-Filled Epoxy Repair Systems

Metal-filled epoxies allow economical, fast, permanent repairs to plant and equipment, cure quickly and resist corrosion and harsh chemicals.

Pourable compounds that provide accurate detail reproduction. Ideal for making molds, patterns, holding fixtures and forming dies.

Emergency repair epoxies cure rapidly, even under water. Minimize spills due to leaks or accidental punctures.

www.devcon.com

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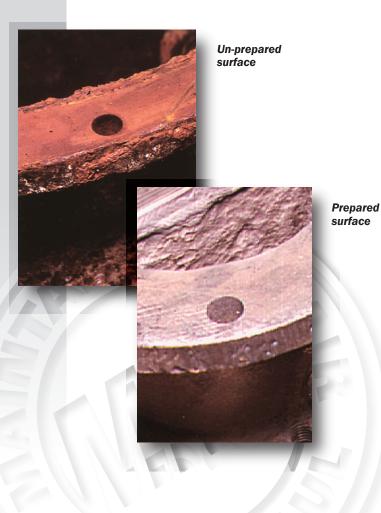
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Surface Preparation

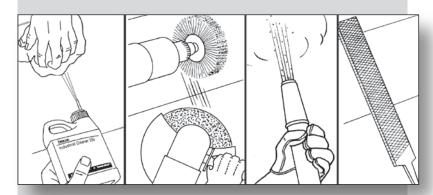
Successful application is largely due to proper surface preparation.

Lack of proper surface preparation can cause premature failure of any repair.

Surface conditions will vary from job to job, and the following guidelines will help in the preparation of most substrates.

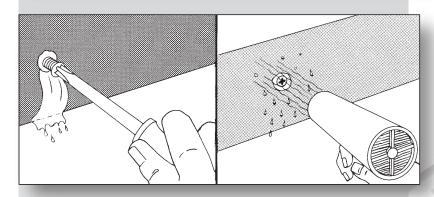


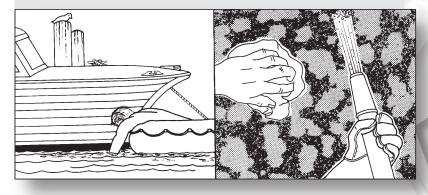




CLEAN SURFACE PREPARATION

- 1. Degrease area with Devcon® Cleaner Blend 300 #19510.
- Remove all surface contamination (paint, rust, and grime) from surface by abrasive blasting, sanding, filing, coarse grinding wheel (60 grit or coarser), a needle gun, or high velocity water blasting with abrasive medium, or other mechanical means.
- The blasting medium should be angular grit such as silicone carbide, Black Beauty, or aluminum oxide. A .003 to .005 mil profile should be attained. The medium Black Beauty (size 1240 medium grade) will produce this grade.
- Degrease again with Cleaner Blend 300 #19510 to wash away any remaining blasting medium.
- 6. Immediately apply epoxy to a dry, rough surface to avoid oxidation or flash rusting. If this is not practical, apply a general coating of Devcon[®] FL-10 Primer #15980 to protect surfaces. This will stop further rusting for up to 30 days under ideal storage conditions.





DEGREASING NOTE:

With surfaces immersed in oil, there is always the possibility that oil absorbed into the metal surface (such as pump shafts or bearing housings) will cause an adhesion problem after curing.

- 1. Repeated applications of Devcon[®] Cleaner Blend 300 #19510 will help "pull-out" the oil from the surface.
- Also, heating the part with a heat gun, or by putting the part in an oven, will force the oil out of the pores.
- 3. Allow part to cool and clean again with Cleaner Blend 300 #19510.

CHLORIDE CONTAMINATION:

Metals in salt water inherit high chloride (salt), levels over time. After blasting, test for chloride contamination as these salts act as a release agent and will disbond most coatings.

WET SURFACE PREPARATION

- The general procedure concerning any surfaces to be repaired is "IT MUST BE DRY". (An exception is when you use Devcon's Underwater Repair Putty (UW) #11800. See the Underwater Repairs below)
- Stop all leaks or seepage, using one or more of the following methods:
 A. Shut off the flow or pressure.
- B. Fit a wooden peg or sheet metal screw into the hole to stop the flow.
 C. Stuff with wax, cork, plumbers caulk, Mortite, or a cloth into the opening to stop the flow.
- If the leak is caused by corrosion, the side wall might be weak. Open the orifice until good metal is exposed and the wall is thick enough to be plugged.
- 4. Remove surface condensation, "sweating", and dampness by using a hot air gun or similar device.
- 5. Continue surface preparation (following steps in CLEAN SURFACE PREPARATION above).

UNDERWATER REPAIRS

Use Devcon's **Underwater Repair Putty (UW) #11800** to make these repairs. It bonds and cures underwater.

- Surfaces underwater require preparation.
- Remove all dirt, flaking paint, barnacles, algae and seaweed from the substrate.
- 2. Wipe area with clean cloth to remove film.
- 3. Abrade surface if possible by mechanical means, file, pressured water, grit blasting or chemicals.

ALUMINUM REPAIRS

Oxidation of aluminum surfaces reduce the adhesion of an epoxy, and must be removed before using Devcon's Aluminum Putty (F) #10610 or Aluminum Liquid (F-2) #10710.

- 1. Remove by mechanical means, such as grit blasting, or by chemical means.
- 2. Continue surface preparation (following steps in CLEAN SURFACE PREPARATION above).





Metal Rebuilding & Precision Machining

SHAFTS generally have two types of repair areas: the shaft itself and the keyways machined into the shaft. Wear is caused by vibration, rubbing, abrasive contaminants moving over the area and fretting corrosion.

KEYWAYS become worn through constant pressure from starting and stopping and become ineffective.

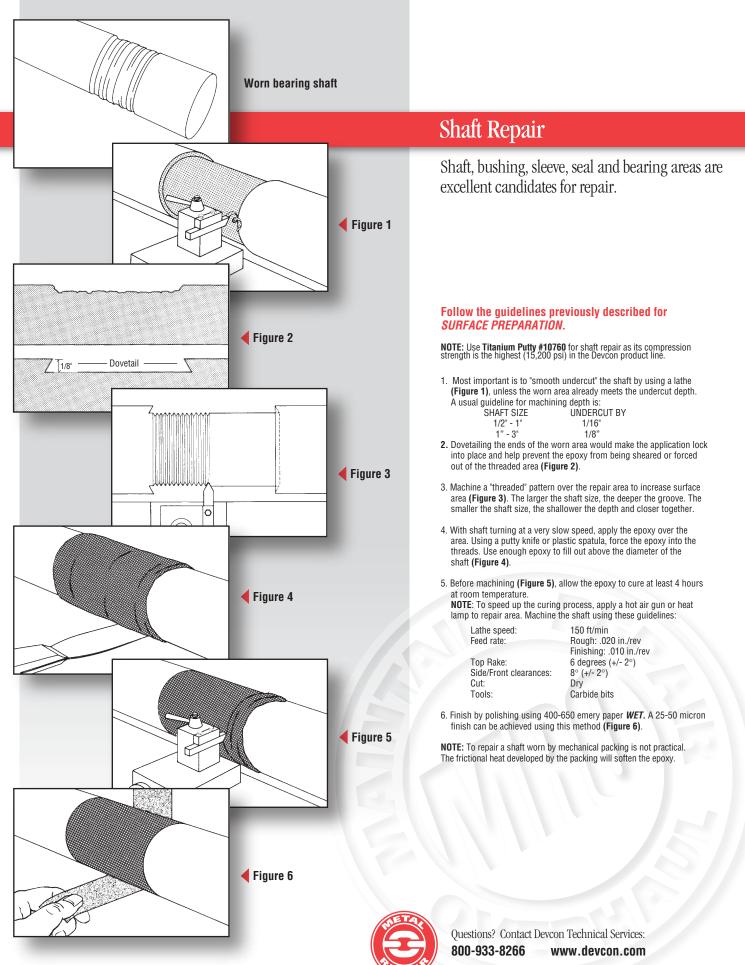
METAL SURFACE repairs are often used to restore the integrity of the metal, and are relied upon to rebuild metal surfaces that are worn or missing.

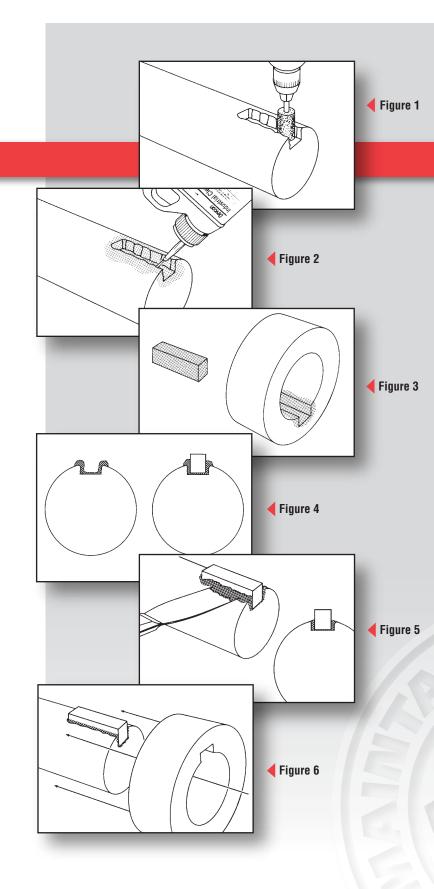
HEAT EXCHANGER repairs are required where galvanic corrosion occurs between the dissimilar metals of the tubes and tube sheet, and are accelerated by the wet conditions inside the cylinder.

PUMP wear and abrasion caused by cavitation, improper shaft and/or impeller balance can be repaired saving you thousands of dollars.

HYDRAULIC RAMS that become rough and gouged tend to leak oil.







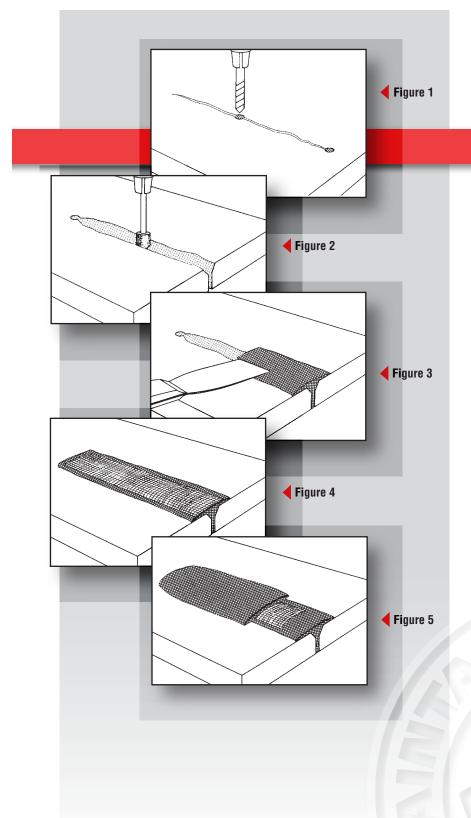
Keyway Repair

One of the more simple repairs to perform, saves time and money and will get your equipment up and running quickly.

First, follow the guidelines previously described for *SURFACE PREPARATION*.

- 1. Roughen the surface by any mechanical means to develop a good surface profile is acceptable (Figure 1).
- 2. Clean and degrease the entire area according to guidelines described in *DEGREASING* in the Surface Preparation section (Figure 2).
- Apply a thin layer of Devcon's Release Agent #19600 to the key itself and let dry. Then apply a small amount of Release Agent #19600 to any area where you do not want the epoxy to bond to. (Figure 3).
- 4. Mix a sufficient amount of **Titanium Putty #10760** to do the repair job. Apply **Titanium Putty #10760** to the keyway area with a putty knife or plastic spatula. Build up a thicker area on the side walls than on the bottom so as not to raise the key up and ensure a close tolerance fit (Figure 4).
- 5. Scrape away excess material from the sides of the keyway (Figure 5).
- 6. Immediately align the shaft on the hub for proper alignment. You may leave the coupling assembled as you previously coated everything with **Release Agent #19600 (Figure 6)**.





Metal Surface Repair

Use Devcon metal filled epoxies for general repairs to cracks in pump casings, valve bodies, tanks, bearing housings and gear boxes.

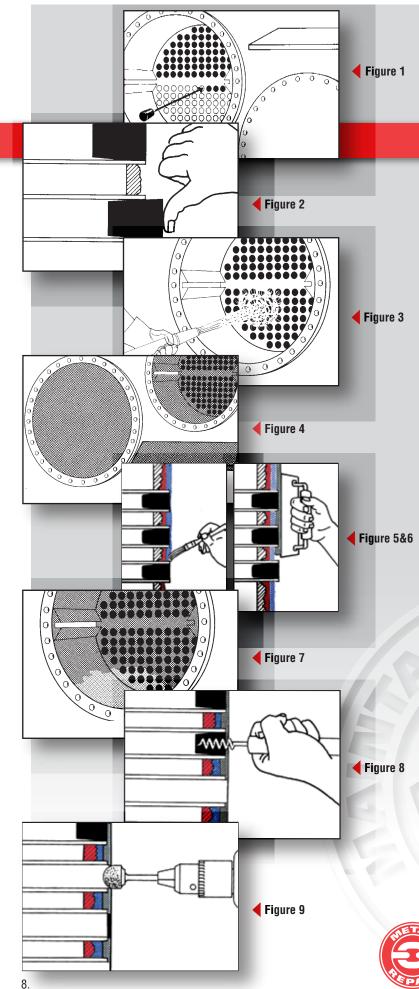
Follow the guidelines previously described for SURFACE PREPARATION.

NOTE: Use Titanium Putty #10760 for all metal surface repairs. If short "downtime" is necessary, use Plastic Steel® 5 Minute® (SF) #10240, or FasMetal™ #10780 to get equipment back into service in 3 hours.

- 1. Drill holes, 1/8" larger than crack at each end, or multiple holes if crack is over 5 inches long to relieve further cracking (Figure 1).
- Use drill or edge grinder with an abrasive to make a "V" groove along crack to increase surface area for application of epoxy. Degrease the grooved area to remove any contamination (Figure 2).
- With putty knife or spatula force the epoxy into the crack and completely fill the "V" groove. Overlap approximately 1" on each side of the crack to ensure adhesion (Figure 3).
- Embed a piece of reinforcing mesh (fiberglass, nylon or wire screening) onto top of epoxy pressing in until epoxy oozes through mesh (Figure 4).
- Apply another coat (1/16" 1/4") over the mesh, smooth and 'feather" out the edges for a good finish. Use a heat gun or heat lamp to speed up curing. (Figure 5).

NOTE: Damaged parts due to metal fatigue or stress cracks should be replaced. You cannot repair metal where the integrity of the metals are in question.





Heat Exchanger Repair

Heat exchangers, chillers and condensers are subject to heavy corrosive damage. If not protected from corrosion, this can lead to complete destruction of the equipment.

1. SURFACE PREPARATION. Remove end plates and baffles (if any). Clean/degrease tube sheet before blasting. Insert rubber stoppers into the ends of the tubes. It is critical that you use the right size stoppers. The stoppers should protrude above the end of the tube, no more than 1/32" to 1/16".

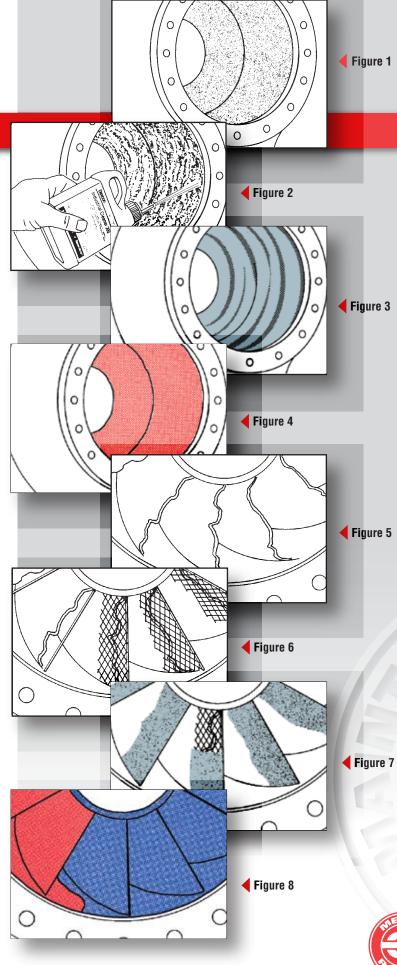
NOTE: Condenser tubes are not always flush with the tube sheet face. If not flush, find a stopper that is flush with the end of the tube when inserted (Figure 1).

- 2. Worn tube sheet faces may be eroded 1/32" to 1/8" from the edges of the tubes. It is important to find stoppers that are flush with the tubes. The best way to install stoppers is to push each one snug by hand (Figure 2).
- 3. Once the stoppers are installed, sandblast the entire sheet face. For detailed procedures, follow the CLEANING section of the Surface Preparation Guide. The stoppers will protect the tubes from becoming worn or rounded. After blasting, blow out the debris from the sheet using air. Next, follow the section **DEGREASING** of the Surface Preparation Guide (Figure 3).
- 4. Prepare baffle plates and end plates of the tube sheet. Blast plates to a SSPC-SP 5 as a guideline (Figure 4).
- 5. Mix Devcon's Brushable Ceramic Red #11760, and coat the tube sheet, reaching all the sandblasted areas. Wait 4-6 hours and recoat with **Brushable Ceramic Blue #11765**. The 2-coat system helps detect any "holidays" or misses between coats (Figure 5).
- 6. If tubes extend more than 1/8" from tube sheet, it may be necessary to build the tube sheet up to the tube level. If so, first coat the sheet with Brushable Ceramic Red #11760 to wet out (prime) for the next coat. Trowel on Ceramic Repair Putty #11700 bringing surface up "flush" with tubes. Finish with coat of Brushable Ceramic Blue #11765 (Figure 6).
- 7. Coat inlet areas, baffle plate and end covers. Do not apply epoxy to baffle plate holder tracks, as this will cause difficulty putting back the plates. Remember, tolerances are closer now (Figure 7).
- 8. Wait at least 16-20 hours before removing stoppers. Use a packing puller or pliers to pull out all the rubber stoppers. If in good condition, they may be used again (Figure 8).
- 9. Use a conical grinding bit to smooth the edges where epoxy meets the tube to allow better flow (Figure 9).

NOTE: Be sure not to coat machined surfaces that are gasket areas. After torquing down on these areas, you risk the chance of "chipping" the coating

To rebuild machined surfaces, Titanium Putty #10760 is recommended.





Pump Repair

Pump repairs are very practical as replacement can cost thousands of dollars. Here is how to repair pump volute areas and impellers

Follow the guidelines previously described for *SURFACE PREPARATION*.

- 1. Since worn areas are usually "pitted", and the substrate is usually porous, surface preparation is vital. A good 3-5 mil sandblasting profile is needed for best adhesion (Figure 1).
- 2. Thoroughly degrease the area to remove any residual abrasive medium lodged in pore of material (Figure 2).
- Fill all gouges, greater than 1/8" in worn areas, with mixed Titanium Putty #10760 or Ceramic Repair Putty #11700 compound. Use spatula or putty knife to smooth the surface. A simple technique is to wet your hand and gently rub the palm over the epoxy in a circular motion (Figure 3).
- 4. Next, topcoat the entire volute area with Devcon's Brushable Ceramic #11760 or #11765. Multiple coats are for a "Pin hole" free finish. This creates a 15-25 mil chemical resistant coating to protect the interior of the casing (Figure 4).
- 5. For worn impeller blades, follow the same surface preparation as for pump casing. Check for and clean off any chloride contamination, as salts react as a release agent and can prevent epoxy from bonding to surface (Figure 5).
- 6. Next, rebuild the missing metal from the blades by welding a 3/8°, rod for a "leading edge", and then tack weld expandable metal from the leading edge to the existing metal surface for reinforcement (Figure 6).
- 7. Now, fill the missing metal areas with Ceramic Repair Putty #11700, applying small amounts at a time, to "wet in" the epoxy and prevent air pockets, being sure to push epoxy through until it oozes out the other side. Smooth over final coating as described in step 3 to improve the pumps flow. Plastic forms can be used to support the epoxy while curing (Figure 7).
- 8. Finally, apply **Brushable Ceramic Red #11760** for the first finish coat for a 15-20 ml thickness to smooth out rough pits in the casting. Within 4-6 hours, apply a coat of **Brushable Ceramic Blue #11765** to cover any unfilled areas from the first coat (**Figure 8**).

NOTE: Stainless steel impellers require different preparation or coating. Please, consult the factory or a local Devcon Technical Representative for further details.

Always remember, in coating pump impellers and casings, to be aware of your clearances inside the volute area. This is critical, as the dimension inside this area restricts the amount of coating you can apply. If clearances are acceptable, Devcon also makes a group of large ceramic beaded products to coat and protect pump volutes from severe abrasion from pumping high solid and abrasive materials.



Typical Physical Properties

| | Stock Number | Size | Mix ratio by Weight (Resin and Weight | Mix ratio by Volumo (Resin and Volumo | Viscosity with Hardener) (cps) | Specific Volume | Pot Life in Minutes | Coverage / Ib | · / | Adhesive Tensile Sci. | Tensile Strength (psi, ASTrength | Compressive Stremm | Flexural Strength (psi/ASTIA) | Modulus Elasticity in 7 (psi ASTM | Coefficient of Themas (ASTM D of Themas | Thermal Conductivity. (X10-5)) | Dielectric Strength (ASTM D. Strength | Dielectric Constant (ASTM Constant | Cure Shrinkage | Cured Hardness (Shore D ASTM D 2566) ASTM D2240) |
|--|--------------|--------------|--|--|-----------------------------------|-----------------|---------------------|---------------|------------|-----------------------|-------------------------------------|--------------------|----------------------------------|--------------------------------------|--|--------------------------------|--|---------------------------------------|----------------|--|
| GENERAL REPAIR EPOXIES | 10110 | 411 | | 0.50.4 | | | 15 | 40 | 050 | | | | 5 000 | | | | | | | |
| Plastic Steel [®] Putty (A) | 10110 | 11b. | 9.00:1 | 2.50:1 | Putty | 11.9 | 45 | 48 | 250 | 2,800 | 3,220 | 8,260 | 5,600 | 8.5 | 48 | 1.37 | 67.5 | 30 | .0006 | 85 |
| Plastic Steel [®] Liquid (B) Plastic Steel [®] 5 Minute [®] (SF) | 10210 | 11b. 11b. | 9.00:1 1.70:1 | 3.00:1 1.00:1 | 15/25,000 Putty | 13.1 12.2 | 45 5 | 52 49 | 250 200 | 2,800 | 4,900 | 10,200 | 7,480 7,680 | 8.5 7.5 | 38 34 | 1.39 2.65 | 67.5 35.0 | 30 30 | .0006 | 85 66 |
| | 10240 | 11b. | 9.00:1 | 4.00:1 | Pully Putty | 17.5 | 5 60 | 70 | 200 | 2,020 | 3,100 3,680 | 10,400 8,420 | 6,760 | 7.5 8.0 | 29 | 2.05 | 21.4 | 100 | .0090 | 85 |
| Aluminum Putty (F) HVAC Repair Putty | 19770 | 6.5 oz. | 0.90:1 | 1.00:1 | 40,000 | 16.1 | 60 | 64 | 250 | 2,500 | 3,720 | 8,420 | 6,260 | 7.8 | 29 | 1.73 | 21.4 | 100 | .0008 | 85 |
| Aluminum Liquid (F-2) | 10710 | 11b. | 9.00:1 | 5.00:1 | 15/25,000 | 17.5 | 75 | 70 | 250 | 2,700 | 5,000 | 9,820 | 3,540 | 7.5 | 50 | 1.58 | 8.60 | 100 | .0000 | 85 |
| Stainless Steel Putty (ST) | 10270 | 11b. | 11.00:1 | 3.75:1 | Putty | 12.4 | 58 | 50 | 250 | 2,385 | 3,340 | 8.400 | 5,280 | 8.0 | 34 | 1.23 | 75.0 | 30 | .0010 | 85 |
| Bronze Putty (BR) | 10260 | 11b. | 9.00:1 | 3.00:1 | Putty | 12.4 | 35 | 50 | 250 | 2,680 | 2,640 | 8,540 | 6,180 | 8.0 | 33 | 1.57 | 75.0 | 25 | .0010 | 85 |
| Wear Resistant Putty (WR-2) | 11410 | 11b. | 9.00:1 | 4.00:1 | Putty | 13.9 | 60 | 56 | 250 | 2,200 | 4,300 | 9,840 | 6,560 | 7.5 | 32 | 1.67 | 6.30 | 400 | .0005 | 85 |
| PRECISION REPAIR EPOXIES | | | | | , | | | | | _, | ., | -, | -, | | | | | | | |
| Titanium Putty | 10760 | 11b. | 3:1 | 3:1 | Putty | 11.7 | 21 | 47 | 350 | 2,000 | 4,000 | 15,200 | 7,700 | 9.5 | 22 | 1.95 | 44.8 | 56 | .0010 | 87 |
| Brushable Ceramic - Red | 11760 | 11b. | 5.60:1 | 3.40:1 | 32,000 | 16.5 | 40 | 66 | 350 | 2,000 | 3,800 | 15,200 | 8,000 | 9.0 | 19 | 1.92 | 38.7 | 382 | .0020 | 90 |
| - Blue | 11765 | 1lb. | 5.60:1 | 3.40:1 | 32,000 | 16.5 | 40 | 66 | 350 | 2,000 | 3,800 | 15,200 | 8,000 | 9.0 | 19 | 1.92 | 38.7 | 382 | .0020 | 90 |
| - White | 11770 | 1lb. | 8.50:1 | 5.60:1 | 40,000 | 16.5 | 21 | 66 | 350 | 2,000 | 3,800 | 15,200 | 8,000 | 9.0 | 19 | 1.92 | 38.7 | 382 | .0020 | 87 |
| Ceramic Repair Putty | 11700 | 3 lb. | 7.00:1 | 4.3:1 | Putty | 16.4 | 25 | 66 | 350 | 2,000 | 3,900 | 12,700 | 6,475 | 9.0 | 17 | 1.88 | 41.0 | 370 | .0022 | 90 |
| FasMetal™ | 10780 | .75 lb. | 1.00:1 | 1.00:1 | Putty | 15.5 | 4 | 72 | 250 | 2,000 | 3,145 | 12,700 | 7,700 | 8.5 | 32 | 2.04 | 18.6 | 370 | .0093 | 90 |
| EMERGENCY REPAIR PRODUCTS | | | | | | | | | | | | | | | | | | | | |
| Underwater Repair Putty (UW) | 11800 | 1 lb. | 1.40:1 | 1.00:1 | Putty | 17 | 45 | 68 | 250 | 2,685 | 2,760 | 5,625 | 4,990 | 7.5 | 18 | 1.41 | 8.60 | 150 | .0020 | 82 |
| Zip Patch™ | 11500 | 1 Patch | - | - | 17,000 | 24.1 | 5 | - | 200 | 2,400 | 10,100 | - | 19,000 | 2.9 | 64 | 1.71 | 43.5 | 250 | .0010 | 75 |
| Magic Bond™ Epoxy Putty | 11600 | 4 oz. | - | 1.00:1 | Putty | 15.3 | 20 | 48 | 250 | 700 | 2,540 | 12,000 | 4,280 | 7.0 | 21 | 1.24 | 28.1 | 300 | .0030 | 70 |

Chemical Resistance

| Acelic (diute) Acelic (diute) Acelic (glaca) Hydrochoric 10% Sultric 10% Sultric 10% | Nutro: 10% Nutro: 10% Phosphoric 10% Phosphoric 50% | | KELONE Almmonium hydroxide 20% V Połassium hydroxide 20% V Połassium hydroxide 20% Sodium hydroxide 40% Sodium hydroxide 40% | Juroxide 20% Benzene Gasoline (unleaded) Mineal spirits Towen Xylene Xylene | Carbon tertachbride Methylene chloride Perohoroethoride 1.1.1.rthchrocethane Aluminum sulfate 10% Sodium carbonate 10% Social modes 10% | outun chone brine 10% Sodium hypochlorite Beer hypochlorite Vine Com oil Cutting oil |
|---|--|---------|---|---|---|---|
| GENERAL REPAIR EPOXIES | | | | | | |
| Plastic Steel [®] Putty (A) U U V U V | FUFU | U U U U | V V V V V | F V V V F F | V U V V V V V V | V V V V |
| Plastic Steel [®] Liquid (B) U U V U V U | FUFU | U U U U | V V V V V | FVVVFF | V U V V V V V V | V V V V |
| Plastic Steel [®] 5 Minute [®] (SF) U U F U F U | FUFU | U U U U | FFUFU | F V V V F F | UUFF FFFF | FUUVV |
| Stainless Steel Putty (ST) U U F U F U | FUFU | U U U U | V V V V V | V V V V V | V U V V V V V V | V V V V |
| HVAC Repair Putty U U V U V | FUFU | U U U U | UUUUU | FVVVFF | V U V V V V V V | V V V V |
| Aluminum Putty (F) U U V U V U | FUFU | U U U U | UUUUU | FVVVFF | V U V V V V V V | V V V V |
| Aluminum Liquid (F-2) U U V U V U | FUFU | U U U U | FFFFF | FVVVFF | VUVV VVV | V V V V |
| Bronze Putty (BR) U U U U U U | UUUU | U U U U | V V V V V | V V V V V V | V U V V V V V V | V V V V |
| Wear Resistant Epoxy (WR-2) U U F U F U | FUFU | U U U U | v v v v v | VVVVFF | FUFF VVV | VFFVV |
| PRECISION REPAIR EPOXIES | | | | | | |
| Titanium Putty UUEFEF | VFFF | E E U U | EEEEE | EEEEEE | VUEE EEEE | EEEEE |
| Brushable Ceramic UUEFEF | VFFF | E E U U | EEEEE | EEEEEE | V U E E E E E E | EEEEE |
| Ceramic Repair Putty U U E F E F | VFFF | E E U U | EEEEE | EEEEE | V U E E E E E E | EEEEE |
| FasMetal [™] UUFUFU | FUFU | U U U U | FFUFU | FVVVFF | UUFF FFFF | FUUVV |
| EMERGENCY REPAIR PRODUCTS | | | | | | |
| Zip Patch [™] UUVVVV | FFFF | U U F F | U U U U U | | UUUU FFFF | FFUFF |
| Underwater Repair Putty (UW) U U F U F U | FUFU | U U U U | V V V V V | V V V V V | V U V V V V V V | VVFVV |
| Magic Bond [™] Epoxy Putty U U F U F U | FUFU | U U U U | FFUFU | F V V V F F | U U F F F F F F | FUUV V |

KEY: **E** = Excellent

V = Very Good F = Fair

U = Unsatisfactory

CURE: 7 days @ 75°F

IMMERSION: 30 days @ 75°F



Questions? Contact Devcon Technical Services: 800-933-8266 www.devcon.com



Usage Selector Guide



Permatey Relating Comp Permatex® Thread Sealant

+ Permatex® Mreadlockers

Plastic Steel® B Alum, F - Stainless Steel Putty ST

Wear Guardrin High Lo Fine Load, Combo W

Ceramic Repair Putty

Brushable Ceramic

Wear Guard Tru High Tr

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+ Plastic Steere Putty (4)

🔺 Recommended TAL/EQUIP

Acid Resistant Coating

Chemical Resistant Coatings Chocking, Leveling Compound

Coating (Impact, Abrasion)

Corrosion Resistant Coating

Epoxy (Fast-Cure Repairs)

Fans/Exhauster Fan Blades

Hopper (Rebuild and Coat)

Lining Coal Chutes

Meat & Poultry Plants

Pump Repairs-Slurry

Pump Repairs-Water

Shaft Repairs

Tank Linings

Secure Splines Seal Metal Pipes & Fittings FLOOR REPAIR Acid Resistant Coating Anchoring Bolts in Concrete Anti-Skid (Floors, Ramps, Docks) **Chemical Containment Coatings Chocking Equipment Coatings (Impact, Abrasion)** Expansion Joints

Leveling Floors

Metal Coatings Warehouse Floor Coatings Wet/Damp Surface Coatings RUBBER REPAIR Casting Molds, Rubber Parts **Conveyor Belt Repair Coatings (Chutes, Hoppers) Coating (Impact, Abrasion)**

Meat & Poultry Plants

Expansion/Control Joints Feeder Bowl Coating

Gaskets Holding Fixtures

Metal Coatings Moldmaking **Noise Reduction Coating**

Potting Compounds **Rubber Roll Repair**

Tank Repairs (Hole)

Valve Rebuild/Repairs

Wet/Damp Surface Bonding

Prevent Fastener Loosening Prevent Bearing Spinout, Lock keyways,

Floors (Hole Filling & Patching) Leveling Equipment

Repairing Engine Blocks

Leaks (Drums, Pipes, Tanks)

Machinable Repair Material

Pipe Elbow Coatings/Linings Pulverizers/Mills

Rebuild Worn Threads, Keyways, Metal

Holding Fixtures (Making Molds)

Condenser Tube Sheet Coating

Casting Repair

Cyclones

NT RE

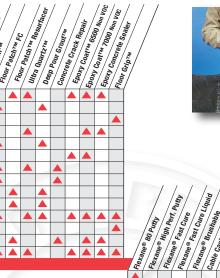
+ Aluminum Putty (F)

Titanium Putty Magic Bond ru



Maintenance. Repair & Operations





tane® Fast Cure

Flexane® Brusha Cable Cast FR



Revane® Bo Liquid Flexane® 94 Liquid Edge & Seal (T.35)

Flexane® Belt Repair

4

| | E. | Floc | Fins Fins | Flor | Ultro Patch Tw B | Dear Juartzma | Conc. Conc. | Encrete Crack p | Epox. Coatrin 650 | Epose Too Non Vo | Floor Grine Seale | Jan Wildin | | | |
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