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Emergency Leak Repair Wrap

Product Description

Emergency Leak Repair Wrap—Polyurethane Impregnated Fiberglass System. Emergency Leak Repair Wrap offers many composite FRP Structural Reinforcing Systems for piping rehabilitation in the petrochemical, and Oil & Gas Pipeline markets. All testing for mechanical properties provided are in accordance with ASTM Standards.

Emergency Leak Repair Wrap is a fast, easy to use, durable, and cost-effective pipe repair system. This resin-impregnated fiberglass cloth adheres to PVC, fiberglass, concrete, and all metal pipes. Emergency Leak Repair Wrap is resistant to most harsh chemicals and thermally stable at elevated temperatures. Emergency Leak Repair Wrap repairs leaks up to 450 psi, reinforces pipes, and protects against corrosion, abrasion and impact.

Application Time:
3-5 Minutes

Thermal Stability:
UP TO 400°F

Tensile Modulus:
ASTM Test D638 659, 206 PSI

Tensile Elongation:
ASTM Test D638 1.2 ± 0.7%

Coefficient Of Expansion:
ASTM Test D696 1.92 x 10⁻⁵ ± 0.17 x10⁻⁵. Units (°C-1)

Compression Modulus:
ASTM Test D695 53,448.44 ± 4779.70 PSI

Compression Strength:
ASTM Test D695 13,754.48 ± 539.15 PSI

Thermal Expansion:
ASTM Test E831-6 84 (um/m/°F)
28.8 (um/m/°C)

Poisson's Ratio:
ASTM Test D3039-00 .150

Stocked Width:
2", 4", 5" & 6"

Fabric Orientation:
Bi-Axial 0° and 90°

Cure Ply Thickness:
0.019 IN (19 mils) (0.48mm)

Cure Time:
30 Minutes Between 50°F & 80°F

Chemical Resistance:
Hydrochloric Acid 10%, Ammonia
Sulfuric Acid 35%, Mek, Diesel, Ethyl Alcohol
Ethylene Glycol, Acetone, Gasoline,
Toluene, Xylenes, Crude Oil.

Shelf Life:
Three Years If Stored Between 40°F– 83°F

Application Conditions:
Above 45° F (7° C) Up To 120° F (49° C)

Substrate Preparation:
Substrate preparation dictates the
adhesion performance. A properly
prepared surface ensures maximum life
and performance of the system.

Concrete: NACE No.6* / SSPC –SP 13*

Steel: NACE no.2* / SSPC –SP 10* NACE
no.3 / SSPC –SP 6 NACE no.5 / SSPC –SP 12

**Indicates recommended method*

Features & Benefits:

- Emergency Offline Leak Repair
- Drinking Water Safe
- Bonds To Any Pipe
- Quick To Set And Easy To Use

Application Instructions:

1. Depressurize the line. The repair area must be "drip free" for a minimum of 30 minutes.
2. Abrade the surface with a minimum of 60 grit sandpaper and ensure the removal all soft coatings.
3. Solvent wipe with acetone or MEK and allow to flash for 1-2 minutes.
4. Put on protective gloves and knead epoxy putty until uniform in color and apply to void.
 - If applicable—Apply Epoxy Putty to all voids, "tent areas" and blend to the pipe's contour.
 - If Epoxy Primer Coating material is used, follow the material instructions prior to the application.
5. Remove the Emergency Leak Repair Wrap from the foil pouch and immerse in water for a minimum of 5 seconds. If a container of water is unavailable, thoroughly saturate the roll of material with water.

Note: To increasing the "working time" of Emergency Leak Repair Wrap, use cold water.

6. Begin wrapping with Emergency Leak Repair Wrap around the pipe surface or repair zone while applying uniform tension. When Emergency Leak Repair Wrap has overlapped itself, begin pulling tightly on the wrap during the remainder of the application.

Notes: a) For Barrier Coating Application - 6 Layers of Emergency Leak Repair Wrap is required. b) For Leak Repair Application - 24 Layers of Emergency Leak Repair Wrap is required.

7. Massage the surface of the Emergency Leak Repair Wrap for 2-3 minutes such that the resin is forced back into the wrap.
8. Allow Emergency Leak Repair Wrap to cure for 30 minutes to 2 hours (120 minutes).
9. Apply a Top Coat to the repair zone as applicable.

See reverse side for our liability and warranty.

Emergency Leak Repair Wrap:

HANDLING:

Common safety practices should be used when applying Emergency Leak Repair Wrap. This includes the use of safety glasses, rubber gloves and protective clothing. Using a suitable solvent such as isopropyl alcohol removes any of the epoxy resin from skin. Wash the area with soap and water. MSDS sheets are provided with each shipment.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications.

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