



Zip Patch

Description: A fast-setting patch system for making permanent, waterproof field repairs.

Intended Use: Patching PVC/ABS piping, tanks, vessels, and containers. Repairing all substrates with a 1 hour functional cure.

Product features: **Low odor technology**
Room temperature cure
Non-sagging formula
Bonds dissimilar substrates
Minimal surface preparation
Strong adhesion

Limitations:

Typical Physical Properties:

Technical data should be considered representative or typical only and should not be used for specification purposes.

Cured 7 days @ 75° F

Adhesive Tensile Lap Shear (AL)	2,400 psi
Adhesive Tensile Lap Shear (ABS, PVC)	1,200 psi
Coefficient of thermal expansion	64 x 10(-5) in./in.[73°F to 194
Cured Shrinkage	0.0010 in/in
Dielectric Strength	250 volts/mils
Flexural strength	19,000 psi
Impact Resistance	30 ft.lbs./in.(2)
Peel Strength (GBS)	35 pli
Pot Life	5 min
Shore Hardness	70 Shore D
Solids by Volume	100
Tensile Elongation	15-25%
Tensile Modulus	192,000 psi
Tensile Strength	10,000 psi
Tpeel	35 pli

TESTS CONDUCTED

Impact Resistance ASTM D 950
Tensile Strength (Epoxy) ASTM D 638
T-Peel Strength ASTM D 1876

Uncured

Average thickness	1 ply: 0.075 in.
Color	Brown
Coverage/lb	4"x9" patch
Fixture Time	1 hr.
Flashpoint	300°F
Full Cure	4 hrs.
Functional Cure	1 hr.
Mixed Viscosity	17,000 cps
Service Temperature	200°F

Surface Preparation: Clean surface by solvent-wiping any deposits of heavy grease, oil, dirt, or other contaminants. Surface can also be cleaned with industrial cleaning equipment such as vapor phase degreasers or hot aqueous baths. If working with metal, abrade or roughen the surface to significantly increase the microscopic bond area and optimize the bond strength.

Mixing Instructions: Mixing is not applicable to this product. This is a primer system used to increase adhesion to your substrate. Follow instructions on the package for maximum results.

Application Instructions: Zip Patch requires minimal surface preparation. However, for maximum adhesion, the repair surface should be roughened and wiped clean with solvent. When making repairs to pipes, shut down the pressure. In tanks, pressure should be relieved by lowering the fluid level.

Apply only in well-ventilated areas. The Zip Patch kit contains everything required to make fast, permanent emergency

repairs. First, carefully peel away one side of the foil pouch. Then spray the exposed patch surface lightly, but completely, (including the corners) with activator. Proper activation is indicated by the patch becoming darker in color.

Press the activated patch over the repair area and carefully peel back the remaining foil. Use the plastic applicator provided in the kit to eliminate entrapped air by gently smoothing the patch from the center toward the outer edges. Complete activation of the adhesive by spraying the entire surface of the exposed patch.

Storage:

Store between 55°F and 75°F. Continuous storage above 75°F reduces the shelf life of the materials. Prolonged exposure above 100°F quickly diminishes the product's reactivity, and should be avoided. Shelf life can be extended by refrigeration between 45°F and 55°F. DO NOT FREEZE.

Compliances:

None

Chemical Resistance:

Chemical resistance is calculated with a 7 day, room temp. cure (30 days immersion) @ 75°F

Cutting Oil	Excellent
Gasoline (Unleaded)	Very good
Glycols/Antifreeze	Very good

Precautions:

Please refer to the appropriate safety data sheet (SDS) prior to using this product.

For technical assistance, please call 1-855-489-7262

FOR INDUSTRIAL USE ONLY

Warranty:

ITW Performance Polymers will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.

Disclaimer:

All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Performance Polymers makes no representations or warranties of any kind concerning this data.

Order Information:

11500 4" x 9" patch