

# 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**

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

**TESTS CONDUCTED**

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

**Uncured**

<b>Color</b>	<b>Brown</b>
<b>Mixed Viscosity</b>	<b>17,000 cps</b>
<b>Flashpoint</b>	<b>300°F</b>
<b>Working Time</b>	<b>10-15 min.</b>
<b>Fixture Time</b>	<b>1 hr.</b>
<b>Functional Cure</b>	<b>1 hr.</b>
<b>Full Cure</b>	<b>4 hrs.</b>
<b>Service Temperature</b>	<b>200°F</b>
<b>Coverage / lb</b>	<b>4"x9" patch</b>
<b>Average thickness</b>	<b>1 ply: 0.075 in.</b>

**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.

**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 material safety data sheet (MSDS) prior to using this product.

**For technical assistance, please call 1-800-933-8266**

**FOR INDUSTRIAL USE ONLY**

**Warranty:**

Devcon 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 Devcon makes no representations or warranties of any kind concerning this data.

**Order Information:**

**11500 4" x 9" patch**

**Distributed by:**

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