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## Technical Data Sheet

# Permatex<sup>®</sup> PermaPoxy<sup>™</sup> Plastic Weld

INDUSTRIAL

### PRODUCT DESCRIPTION

S.I.N.: 834-300

Permatex<sup>®</sup> PermaPoxy<sup>™</sup> Plastic Weld is a structural adhesive designed for general purpose bonding of a wide variety of materials. PermaPoxy<sup>™</sup> Plastic Weld form a tough, durable bond to most plastics, composites, ceramics, wood in any combination. PermaPoxy<sup>™</sup> Plastic Weld is a fast curing product with gelling of mixed adhesive in 5 – 6 minutes and fixturing in 9 – 10 minutes. NOTE: PermaPoxy<sup>™</sup> Plastic Weld will not bond most polyethylene or polypropylene plastics.

### PRODUCT BENEFITS

- Sets in 5 minutes
- Requires no primers
- Room temperature cure
- Gap filling to 0.125 inch
- Bonds diverse substrates
- Water resistant
- Good chemical resistance

### TYPICAL APPLICATIONS

To bond rigid materials including:

- ABS
- Fiberglass
- PVC
- Vinyl
- FRP
- Acrylic
- Glass
- Styrene
- Wood
- SMC

### DIRECTIONS FOR USE

1. Protect work area from accidental spills.
2. Surface must be clean, dry and free of grease & oil.
3. Roughen surfaces with sandpaper or other abrasives.
4. Use a sharp blade to cut off the tips of both nozzles.
5. Depress plunger on syringe to dispense Part A and Part B. Thoroughly mix on a clean discardable surface for at least one (1) minute or until uniform in color.
6. Apply to surfaces being repaired. Assemble parts immediately. Remove excess epoxy immediately.
7. Allow bond to set for 9 – 10 minutes before moving.

### For Cleanup

1. For any cleanup, use isopropyl alcohol before the material is allowed to dry.
2. Clean hands with Permatex<sup>®</sup> Fast Orange<sup>®</sup> hand cleaner or soap and water.

Chemical Type  
Mix ratio  
Appearance  
Part A  
Part B  
Odor  
Specific Gravity  
Flash Point, TCC

Typical Value  
Structural acrylic  
1 : 1  
Natural  
Amber  
Acrid  
0.94 – 1.0  
51°F

### CURING PROPERTIES

Working Time 5 - 6 minutes  
Fixture Time 8 – 10 minutes  
Final color Off white - amber  
Temperature range -60°F to +250°F  
Hardness 70D  
Elongation 7%

### GENERAL INFORMATION

**This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.**

**For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).**

### ORDERING INFORMATION

Part Number	Container Size
84115	5 min. Plastic Weld, 0.84 fl. oz. dual syringe, carded

### STORAGE

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8° to 28°C (46° to 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container.

### NOTE

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### PROPERTIES OF UNCURED MATERIAL

NOT FOR PRODUCT SPECIFICATIONS.  
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PLEASE CONTACT PERMATEX, INC., TECHNICAL SERVICE DEPARTMENT FOR ASSISTANCE AND RECOMMENDATIONS FOR YOUR SPECIFIC APPLICATION.  
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