



# 3976( ) PROBLEM PLASTIC REPAIR MATERIAL TECHNICAL DATA SHEET

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## *Description*

**3976( ) PROBLEM PLASTIC REPAIR MATERIAL** adheres to substrates other repair materials cannot. Historically, bonding repair materials to polypropylene and other olefin-based plastics, EPDM, TPO and similar substrates has been difficult. This unique formulation takes the “problem” out of problem plastic repair.

## *Features*

- State of the art epoxy technology
- Superior adhesion
- Does not shrink or pinhole
- Zero VOC
- Excellent sanding and feather edge
- No adhesion promoter necessary

## *Typical Properties*

Containers

**39767:** 7 oz. DUAL-MIX

Color

**39768:** 10 oz kit

Working time

Green

Set time

3-5 minutes @ 70°F (21°C)

Cure time

5-10 minutes @ 70°F (21°C)

15-20 minutes @ 70°F (21°C)

## *Handling and Application*

### **PREPARATION:**

Suitable substrates- ABS, PP, PPO, EPDM, TPO, TPE and TEO.



1. Clean with **3833( ) SCUFF & CLEAN** and red scuff pad. Rinse with water and dry.
2. Clean with **3835( ) PLASTIC/LEATHER PREP**. Apply per directions.
3. Sand with 80 grit paper 2-3 inches around the damaged area.
4. “V” groove damaged area with a 24 grit disc. Grind slowly. Excess heat may seal the pores of the plastic making adhesion difficult.
5. Re-clean with **3835( )**.

### **MIXING:**



**39767** - Place cartridge into **70029 DUAL-MIX APPLICATOR GUN**. Remove cartridge tip. Prior to installing static mixer, equalize cartridge by dispensing product until both parts flow equally. Install static mixer and cut tip to desired bead size. Dispense 2-3 inches of test material to make certain color is uniform prior to applying to job. Avoid marbling.

Use Static Mixers: **70011 INTEGRAL NUT SQUARE STATIC MIXERS** (6 pack) or **70012 INTEGRAL NUT SQUARE STATIC MIXERS** (50 pack)

**39768** - Squeeze out equal amounts of A and B. Mix well to obtain a uniform mixture with no streaks.

### **APPLICATION:**



1. Reinforce large holes and damaged areas from the back side with **70006 PLASTIC REPAIR REINFORCING TAPE**. In such cases, clean the back side of the area with **3833( )** and **3835( )**. Grind with a 24 grit disc at low RPM. Place **70006** over the repair. Apply **3976( )** and spread firmly.
2. Apply **3976( )** to the repair area. Press firmly to eliminate air pockets. Apply higher than surrounding area to allow for sanding.
3. After **3976( )** has cured for 15-20 minutes, sand first with 80 grit, then finish with 180 grit paper.
4. For slight imperfections, reapply a skin coat of **3976( )** or use **39482 FLEXIBLE POLYESTER GLAZE**.
5. To fill sand scratches and prepare surface for painting, apply **3913( ) FLEXIBLE PRIMER SURFACER**, **420( )3 HIGH BUILD PRIMER SURFACER** or **39624 WORLD CLASS™ FLEXIBLE PRIMER SURFACER**.

**NOTE:** For smaller repairs, **68422 BUMPER REPAIR** in the 1 oz. **MINI-MAX** cartridge is also available.

### **STORAGE:**



**3976( ) PROBLEM PLASTIC REPAIR MATERIAL** should be stored in a cool dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **3976( )** is 2 years when stored under normal conditions.

### **TECHNICAL CONSULTATION SERVICE**

Our Technical Staff is ready to assist you with any questions. You are invited to take advantage of our extensive experience, laboratory services and trained field service representatives. Call (800) 831-1122 for answers to your questions. Hours of operation are Monday through Thursday 8:00 am until 5:00 pm EST and on Friday 8:00 am until 4:30 pm EST.

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Users should review the Material Safety Data Sheet (MSDS) and product label for the material to determine possible health hazards, appropriate engineering controls and precautions to be observed in using the material. Copies of the MSDS and product label are available upon request.

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