



PROBLEM PLASTIC REPAIR MATERIAL

TECHNICAL DATA SHEET



Check local VOC regulations to ensure compliance of all products in your area.

DESCRIPTION

Problem Plastic Repair Material is a two component epoxy based filler for repairing olefin-based plastics and similar rigid and semi-rigid substrates.

FEATURES

- **Dual-Mix™** Forever Warranty
- No adhesion promoter necessary
- Superior adhesion
- Excellent sanding and feather edge
- Does not shrink or pinhole
- Zero VOC

SUITABLE SUBSTRATES

- Semi-rigid plastics
- Rigid plastics

TYPICAL PROPERTIES

Part:	Product Name:	Color:	Container:
39767	Problem Plastic Repair Material	Gray	7 oz. Cartridge

Working Time:	5 minutes @ 70°F (21°C)
Sand Time:	15 minutes @ 70°F (21°C)
Top Coat Time:	20 minutes @ 70°F (21°C)
Cure Time:	1 hour @ 70°F (21°C)

HANDLING AND APPLICATION

PREPARATION:

- 1.** Clean areas to be repaired with **Scuff & Clean** and a gray scuff pad. Rinse with water and dry or wipe with a clean, damp cloth until removed.
- 2.** Next, clean with **Plastic & Leather Prep**, **SEM Solve** or **XXX Universal Surface Cleaner**. Apply and remove per directions.
- 3.** Sand front side of repair with P80 grit paper 2-3 inches around the damaged area.
Note: if the OEM paint has good adhesion, it is not necessary to strip the paint to the raw plastic.
- 4.** “Dish” out the front side of damaged area with a P24 or 36 grit disc. Grind slowly. Excess heat may seal the pores of the plastic making adhesion difficult.
- 5.** Grind back side of repair with P24 or 36 grit at low RPM or by hand to minimize melting of the plastic.
- 6.** Blow-off with clean, dry, compressed air.



Check local VOC regulations to ensure compliance of all products in your area.

7. Re-clean with **Plastic & Leather Prep**, **SEM Solve** or **XXX Universal Surface Cleaner** if necessary.

Note: Give adequate time for cleaner to flash off before proceeding to next steps.

8. Optional: Apply adhesion promoter to all prepped surfaces. An application of **XXX Adhesion Promoter** or **Plastic Adhesion Promoter** will improve adhesion and featheredge sanding of the repair material. Follow instructions on the adhesion promoters label or Technical Data Sheet for proper use.

MIXING:

1. Place cartridge into **Universal Manual Applicator** or **Universal Pneumatic Applicator**. Remove cartridge tip.
2. 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.
3. Dispense 2 – 3 inches of test material to make certain color is uniform prior to applying to job.

USE STATIC MIXERS:

Part:	Product Name:	Size:
70011	Integral Nut Square Static Mixers	6 Pack
70012	Integral Nut Square Static Mixers	50 Pack

APPLICATION:

1. Reinforce large holes and damaged areas from the back side with **Plastic Repair Reinforcing Tape** or **Plastic Repair Contouring Tape**. Use enough of the tape to overlap the repair. Apply **Problem Plastic Repair Material** over the tape and spread firmly with a spreader.
2. After repair material has set, apply **Problem Plastic Repair Material** to the front side of repair area. Press firmly to eliminate air pockets. Apply higher than surrounding area to allow for sanding.
3. After **Problem Plastic Repair Material** has cured for 15 minutes, sand first with P80 grit, then finish with P180 grit paper.
4. For slight imperfections, reapply a skim coat of **Problem Plastic Repair Material** or use **Bumper Bite Flexible Glaze**.
5. To fill sand scratches and prepare surface for painting, apply **Flexible Primer Surfacer**, **High Build Primer Surfacer** or **World Class™ Waterborne Flexible Primer**.

Note:

For smaller repairs, use 1 oz. **Mini-Max™ Bumper Repair**.

STORAGE:

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 **Problem Plastic Repair Material** is 2 years when stored under normal conditions.



Check local VOC regulations to ensure compliance of all products in your area.

RELATED PRODUCTS:

Part:	Product Name:	Size:
38351	Plastic & Leather Prep	Gallon
38353	Plastic & Leather Prep	16 oz. Aerosol
38354	Plastic & Leather Prep	Quart
38391	Scuff & Clean	Gallon
38398	Scuff & Clean	16 oz. Tube
39131	Flexible Primer Surfacer	Gallon
39133	Flexible Primer Surfacer	16 oz. Aerosol
39134	Flexible Primer Surfacer	Quart
40482	Bumper Bite™ Flexible Glaze	Tube
42003	High Build Primer Surfacer - Black	20 oz. Aerosol
42013	High Build Primer Surfacer - Gray	20 oz. Aerosol
42023	High Build Primer Surfacer - Beige	20 oz. Aerosol
42033	High Build Primer Surfacer - Rose	20 oz. Aerosol
42043	High Build Primer Surfacer - White	20 oz. Aerosol
50184	World Class™ Waterborne Flexible Primer	Quart
68422	Mini-Max™ Bumper Repair	1 oz. Tube
70006	Plastic Repair Reinforcing Tape	36" Roll
70007	Plastic Repair Contouring Tape	15" Roll
70011	Integral Nut Static Mixers	6 Pack
70012	Integral Nut Static Mixers	50 Pack
70039	Universal Pneumatic Applicator	Each
71119	Universal Manual Applicator	Each
77771	XXX Universal Surface Cleaner	Gallon
77774	XXX Universal Surface Cleaner	Quart