



# MULTI-PLASTIC REPAIR MATERIAL

## TECHNICAL DATA SHEET



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

## DESCRIPTION

**Multi-Plastic Repair Material** is a two-component epoxy for fast repairs on virtually all plastic bumper covers.

## FEATURES

- **Dual-Mix™** Forever Warranty
- No adhesion promoter necessary
- Exceptional sanding and featheredge
- Remains flexible
- Does not shrink or pinhole
- Excellent leveling and sag resistance

## SUITABLE SUBSTRATES

- Flexible plastics
- Semi-rigid plastics

## TYPICAL PROPERTIES

Part:	Product Name:	Color:	Container:
39847	Multi-Plastic Repair Material	Gray	7 oz. Cartridge
<b>Working Time:</b>	7 minutes @ 70°F (21°C)		
<b>Sand Time:</b>	15 minutes @ 70°F (21°C)		
<b>Top Coat Time:</b>	20 minutes @ 70°F (21°C)		
<b>Cure Time:</b>	1 hour @ 70°F (21°C)		

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## 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.



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**6.** Blow-off with clean, dry, compressed air.

**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:

Place cartridge into **Universal Manual Applicator** or **Universal Pneumatic Applicator**. 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.

## 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 **Multi-Plastic Repair Material** over the tape and spread firmly with a spreader.

**2.** After repair material has set, apply **Multi-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 **Multi-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 **Multi-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**.

## STORAGE:

**Multi-Plastic Repair Material** should be stored in a cool dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **Multi-Plastic Repair Material** is 2 years when stored under normal conditions.



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## RELATED PRODUCTS:

<b>Part:</b>	<b>Product Name:</b>	<b>Size:</b>
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
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