



# DUAL-MIX™ QUICK SET 50

## TECHNICAL DATA SHEET

### DESCRIPTION

Dual-Mix Quick Set 50 is a two-component, general purpose, urethane adhesive with a 50 second set time designed for repair and bonding of most plastic, steel, aluminum, glass, SMC and fiberglass parts.

### FEATURES

- Dual-Mix Forever Warranty
- OEM recommended
- High strength and sandable
- Bonds multiple substrates
- Non-sag formula
- Fast setting

### SUITABLE SUBSTRATES

- Primed or painted surfaces
- Plastic
- Bare metal
- SMC
- Fiberglass
- Glass
- Concrete
- Steel
- Aluminum
- Wood

### TYPICAL PROPERTIES

Part:	Product Name:	Color:	Container:
40502	Dual-Mix Quick Set 50	Black	1.7 oz. Cartridge
40507	Dual-Mix Quick Set 50	Black	7 oz. Cartridge
40517	Dual-Mix Quick Set 50	Clear	7 oz. Cartridge

Working time:	45 seconds @ 70°F (21°C)
Set time:	50 seconds @ 70°F (21°C)
Cure time:	15 minutes @ 70°F (21°C)
Lap shear @ 70°F (21°C) (psi) on steel:	2300+ ASTM D 1002

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Always wear OSHA required (PPE) Personal Protection Equipment as outlined on the SDS and product label to ensure your safety.



## HANDLING AND APPLICATION

### PREPARATION:

#### FOR PLASTIC:

1. Clean with **Scuff & Clean** and rinse with water.
2. Clean with **Plastic & Leather Prep** or **XXX Universal Surface Cleaner**.
3. Sand area to be repaired with P24 – P36 grit sandpaper and blow off dust.
4. For application on TPO, EPDM, PP and other similar thermoplastics, use **Plastic Adhesion Promoter** or **XXX Adhesion Promoter** per instructions.

**Note:** **Plastic Adhesion Promoter** or **XXX Adhesion Promoter** must be completely flashed before application of top coat.

#### FOR METAL:

1. Clean with **SEM Solve** or **XXX Universal Surface Cleaner**.
2. Sand with P80 grit sandpaper and blow off dust.
3. Re-clean with **SEM Solve** or **XXX Universal Surface Cleaner**.

#### FOR SMC OR FIBERGLASS:

1. Clean with **Plastic & Leather Prep**, **SEM Solve** or **XXX Universal Surface Cleaner**. Do not saturate exposed fibers.

**Note:** Use masking tape to mask any exposed fibers prior to cleaning and always use clean, lint-free towels when cleaning surfaces to avoid lint and particle contamination.

2. Sand with P80 grit sandpaper and blow off dust.

#### FOR GLASS:

1. Clean with **SEM Solve** or **XXX Universal Surface Cleaner**.
2. Sand the surface when possible with P80 – P180 grit sandpaper.
3. Re-clean with **SEM Solve** or **XXX Universal Surface Cleaner**.

#### FOR CONCRETE OR WOOD:

**Note:** Surface must be clean, dry and free of any contaminants before applying adhesive. Sanding wood will help with adhesion.



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## MIXING:

Place cartridge into the **Universal Manual Applicator** or **Universal Pneumatic Applicator**. To remove cap, insert flat head screwdriver into slot and pry upward.

**Note:** Prior to installing Static Mixer, equalize cartridge by dispensing product until both parts flow equally. Install Static Mixer. Cut tip to desired application size. Hold applicator upright until product is dispensed into mixer. Dispense a test bead to ensure proper mix. For cap replacement, match circles and squares, then snap back into place.

## STATIC MIXERS:

Part:	Product Name:	For:	Container:
70011	Integral Nut Square Static Mixers	7 oz. Cartridge	6 Pack
70012	Integral Nut Square Static Mixers	7 oz. Cartridge	50 Pack
70020	1.7 oz Turbo Static Mixers	1.7 oz. Cartridge	6 Pack
70021	1.7 oz Turbo Static Mixers	1.7 oz. Cartridge	50 Pack



## APPLICATION:

### GENERAL PURPOSE BONDING:

1. Dry fit parts to ensure proper alignment.
2. Prepare surface as outlined in Preparation section.
3. For impact strips and side moldings, mask both sides of the surface where adhesive is to be applied.

**Note:** Do not allow **Dual-Mix™ Quick Set 50** to flow over masked area or onto painted surface.

4. Apply **Dual-Mix Quick Set 50** to either surface.
5. Quickly bond the two surfaces. Hold or clamp together until set.

### FOR TAB REPAIR USING PLASTIC REPAIR CONTOURING TAPE:

1. Prepare surface as outlined in Preparation section.
2. For badly torn damage, drill 1/8" holes approximately 1/2" apart into the repair area. This will help lock the repair material in place.
3. Cut a piece of **Plastic Repair Contouring Tape** twice the length of the repair.
4. Dispense **Dual-Mix Quick Set 50** onto **Plastic Repair Contouring Tape**. Quickly apply both to the repair area and mold into shape using your gloved hands or a spreader.
5. Allow the repair material to cure for 5 minutes before removing the plastic film.
6. Sand with a P80 – 180 grit disc to desired shape and drill as needed.

**Note:** WORK QUICKLY! The repair material will set in 50 seconds.



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**CAUTION:**

**Dual-Mix Quick Set 50** can get very hot while curing.



**STORAGE:**

**Dual-Mix Quick Set 50** should be stored in a cool, dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **Dual-Mix Quick Set 50** is 1 year when stored under optimal conditions.

**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
38371	SEM Solve	Gallon
38373	SEM Solve	20 oz. Aerosol
38374	SEM Solve	Quart
38375	SEM Solve	5 Gallon
38391	Scuff & Clean	Gallon Pump
38398	Scuff & Clean	16 oz. Tube
39861	Plastic Adhesion Promoter	Gallon
39863	Plastic Adhesion Promoter	20 oz. Aerosol
39864	Plastic Adhesion Promoter	Cone Quart
70007	Plastic Repair Contouring Tape	15' Roll
70011	Integral Nut Square Static Mixer	6 Pack
70012	Integral Nut Square Static Mixer	50 Pack
70019	1.7 oz. Manual Applicator	Each
70020	1.7 oz. Turbo Static Mixer	6 Pack
70021	1.7 oz. Turbo Static Mixer	50 Pack
70039	Universal Pneumatic Applicator	Each
71119	Universal Manual Applicator	Each
77721	XXX Adhesion Promoter	Gallon
77723	XXX Adhesion Promoter	16 oz. Aerosol
77724	XXX Adhesion Promoter	Cone Quart
77771	XXX Universal Surface Cleaner	Gallon
77774	XXX Universal Surface Cleaner	Quart



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### **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.

### **Disclaimer:**

The information supplied in this document is for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed. All users of the materials are responsible for assuring that it is suitable for their needs, environment and use. All data subject to change as SEM deems appropriate.

Users should review the Safety Data Sheet (SDS) 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 SDS and product label are available upon request.