



# Bare-Metal Seam Sealer - Beige

## 08310

Technical Data Sheet

August, 2012

3M Part No.(s)	3M Part Descriptor(s)
08310	3M™ Bare-Metal Seam Sealer - Beige

**Product Description** 3M™ Bare-Metal Seam Sealer - Beige uses two part epoxy technology to provide a tough yet flexible material for the sealing of joints of bare metal as well as primed or painted substrates such as steel or aluminum enclosures. This material provides quick cure time and non - sag properties that aid during vertical applications, and allow top coating with paints within 15 minutes under normal conditions. 3M™ Bare-Metal Seam Sealer - Beige contains chemical corrosion inhibitors.

- Features**
- Two Part Flexible Epoxy Chemistry
  - 200 mL Dual - Syringe Cartridge
  - Metered Static Mixing
  - Contains corrosion inhibitors
  - Beige Color

**Typical Physical Properties**

**Note:** The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

<b>Container</b>	200 mL Dual-Syringe Cartridge
<b>Base</b>	Epoxy
<b>Density lbs/Gallon (Appx.)</b>	9.4 / 9.9
<b>Color</b>	Beige
<b>Viscosity (Press Flow Method)</b>	150 - 245 secs (20 psi, 20 g)
<b>Solids Content (Appx.)</b>	100%
<b>Consistency</b>	Paste
<b>Solvent</b>	N/A
<b>Service Temperature - °F</b>	-20°F to 180°F

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<b>Product Uses</b>	<p>A two-part seam sealer for all general purpose automotive sealing needs that cures quickly to a tough, strong bead for lasting seam sealing protection. This includes door skins, floor pans, trunk floors, roof seams, and many other applications. Can be tooled, caulked with OEM Seam Sealer Tips PNs 08201, 08202, 08203, 08204, or 08205 to create specific seam sealer bead profiles.</p> <p><b>Use with the following applicators: PN 08117 (manual), PN 08571(manual), and PN 09930 (pneumatic).</b></p> <p><b>3M™ Mix Nozzle: PN 08193 (6/bag), PN 8194 (50/box).</b></p> <p><b>Accessories:</b> <b>3M™ OEM Seam Sealer Tips PNs 08201, 08202, 08203, 08204, or 08205.</b></p>
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<b>Typical Performance Properties</b>	<p><b>The following times have been determined with ambient air temperature and substrate temperature @ 70°F (21°C) and are considered typical values.</b></p> <p><b>WORK TIME:</b> 10 minutes</p> <p><b>MIX NOZZLE DWELL TIME:</b> 6 minutes</p> <p><b>SAND TIME:</b> N/A</p> <p><b>CURE TIME:</b> 1 hour</p> <p><b>PAINT TIME:</b> 15 minutes</p> <p><b>TENSILE STRENGTH:</b> 867 PSI</p> <p><b>ELONGATION:</b> 125%</p>
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<b>Directions for Use</b>	<p><b>SURFACE PREPARATION:</b></p> <p><b>NOTE:</b> 3M™ Bare Metal Seam Sealer 08310 is designed for application over bare steel, galvanized steel, &amp; aluminum, or to surfaces primed with a 2K urethane, 2K epoxy primer, or clean, sanded paint. Acid etch primers should never be in direct contact with seam sealer.</p> <ol style="list-style-type: none"><li>1. Use an appropriate VOC compliant 3M cleaner to remove any surface contamination</li><li>2. Bare Metal surfaces should be sanded with an appropriate 3M™ 50 – 180 grade abrasive. Scuff previously painted &amp; primed surfaces with a Scotch-Brite™ General Purpose Hand Pad (Ultrafine), (PN 07448).</li><li>3. Blow off dust with clean compressed air and wipe with a clean dry rag.</li></ol>
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### Directions for Use (continued)

#### PRODUCT PREPARATION:

1. Insert cartridge into applicator gun.
2. Remove retaining collar and plug from end of cartridge. Discard plug, save retaining collar.
3. Extrude a small amount of product until both parts A and B dispense equally.
4. Attach 3M™ Mixing Nozzle (PN 08193) to cartridge and lock in place with retaining collar.
5. Dispense a small amount of material and discard.

#### GENERAL REPAIR PROCESS:

1. Extrude sealer onto surface, and tool as necessary. If a solvent based lubricant is desired for enhanced tooling, 3M™ General Purpose Adhesive Cleaner is recommended or 3M™ Specialty Purpose Adhesive Remover (check for local VOC regulations).
  - a. Applications where the user will take advantage of this products Bare Metal capabilities, it is recommended to always spread, or tool the sealer in some manner. This will help prevent the “bridging” of sand scratches, and therefore ensuring its adhesion to the substrate.
2. Allow to cure a minimum of 15 minutes before beginning the painting process.

**NOTE:** If sealer is allowed to cure more than 24 hours, scuff the sealer prior to any painting steps.

#### APPLICATION WARNINGS:

- Not to be used in direct contact with acid etch primers.

#### STORAGE:

After initial use, leave mix nozzle in place to seal the cartridge.

#### CLEAN-UP:

Prior to curing, 3M™ Bare-Metal Seam Sealer - Beige 08310 may be cleaned from most surfaces using 3M™ General Purpose Adhesive Cleaner or 3M™ Specialty Purpose Adhesive Remover (check for local VOC regulations).

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### Applications

Sealing of seams to prevent intrusion of water, dust, air, or other inert contaminants. This sealer is not recommended for the repair of vessels designed to contain liquids or liquids under pressure and is primarily used in the auto body repair industry but may be suitable for some architectural or industrial applications (user assumes responsibility to test for suitability).

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### Storage and Handling

#### HANDLING

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep out of the reach of children. Keep container closed when not in use. Avoid breathing of dust created by cutting, sanding, grinding or machining. For industrial or professional use only. Avoid eye contact with dust or airborne particles.

#### STORAGE

When stored at the recommended conditions in original, unopened containers, this product has a shelf life of 24 months from the date of manufacture. Store in a dry area at 72°F for optimal shelf life. Store away from acids and other oxidizing agents.

**After use, leave mix nozzle in place to seal the cartridge.**

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### Precautionary Information

Refer to Product Label and Material Safety Data Sheet for Health and Safety Information before using this product.

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### Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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### Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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### For Additional Health and Safety Information



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