



Automotive Aftermarket Division

3M™ Two Part Solvent Based Coating

1) Part Numbers

08825	0.5 kg	Beige
08824	1 kg	Beige
08827	0.5 kg	Grey
08826	1 kg	Grey
08829	0.5 kg	Black
08828	1 kg	Black

2) Description and end uses

Two-pack polyurethane sealing compound with protective, sound-deadening, and waterproofing properties. The product has a creamy texture and thixotropic behaviour, allowing application to give high film builds on vertical surfaces without sagging or dripping.

The cured material has a closed-cell microcellular structure and can be compressed and deformed, providing vibration absorption, sound deadening, and flexibility. It has very good chemical stability and is resistant to water, salt, solvents, hot oil, battery acid, and chemical agents. It is stable in temperatures upto 100 °C (212 °F). The product maintains long-lasting flexibility and remains bonded even after prolonged exposure to strong vibration.

The product can be overcoated wet-on-wet or, after drying, with any type of automotive paint system. It provides good adhesion to steel, fillers, primers, fiberglass, and rigid plastics.

Galvanized steel and light alloys must be pretreated with a 2K primer.

Typical applications include:

- Under bumpers or wings,
- Lower body panels as sound-deadening stone-chip coating,
- Sealing joints of overlapping or spot-welded panels to prevent corrosion and ingress of water and air.

In industrial applications, it is used as an anti-rust barrier and sound-deadening protective coating for panels and metal parts exposed to water or chemical environments.



Technical Data Sheet

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3) Physical Properties

Colour	Beige, Grey, Black
Appearance of the dry film	Gloss, textured
Type of Product	2K Polyurethane polymer/isocyanate
Curing ratio	100:15 (weight of A / weight of B)
Pot-life	Approx. 15-30 minutes
Total non-volatile by weight	Cured product: 90.5 %
Density comp. A	1.38 g/cm ³
Density comp. B	1.21 g/cm ³
Viscosity	Thixotropic
Air drying	30-60 minutes, touch dry
	8 hours, through drying
EU limit value of VOC content (Directive 2004/42/EC)	Category B/e, SB: VOC max 840 g/l product VOC < 840 g/l
Tack free	30 minutes
Over paintable	wet-on-wet or after drying
Shelf-life:	12 months

The data are measured at a temperature of 20 °C.

4) Directions for Use

Surfaces should be thoroughly degreased and free from dirt and dust before and after sanding, using a suitable metal surface cleaner such as 3M™ General Purpose Adhesive Cleaner, 1 L, 08984. Sand the area using abrasive grades P180 to P320. If used on galvanised steel, a 2K primer should be applied for corrosion protection.

3M™ Two Part Solvent Based Coatings are applied using the 3M™ Performance Spray Gun, 26852, with the 3M™ PPS™ Type H/O Pressure Cup, 26121.

Remove the plastic protection around the circumference of the can containing Part B and open the container using a screwdriver. Add the entire contents of can A and mix thoroughly with a spatula.

Alternatively, the material can be mixed using a 100:15 ratio by weight. Weigh 100 g of Part A and 15 g of Part B, or multiples thereof, then stir thoroughly until a homogeneous mix is obtained.

The mixed product can be diluted by up to 10 % with 3M™ General Purpose Adhesive Cleaner, 1 L, 08984, to achieve different spray textures. The product cannot be diluted with Nitro solvents.



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Set the applicator inlet pressure to 1–2 bar and vary the H/O setting to produce finer or coarser textures (closed for finer, open for coarser). Adjust the product flow to achieve different film thicknesses and textures with the available spray nozzle sizes. Different finishes can be achieved by varying the spray gun feed settings, H/O settings, and gun inlet pressure.

Remove the filter from the PPS Lid and fill the mixed product into the inner liner of the H/O Pressure system for application.

To achieve a narrow spray pattern, spray at a distance of approximately 2 cm from the surface.

Use the mixed product within 15–30 minutes, depending on the ambient temperature. After this time, the product is no longer sprayable because the viscosity increases, although it may still be workable by brush.

5) Storage

Keep the product away from light and water. If stored in a cool, dry place, away from heat sources and protected from sunlight, in its original sealed packaging, the product has a shelf life of 12 months.

Check the shelf life by referring to the production lot shown on the packaging. The lot number comprises eight numeric characters, of which the first four digits identify the year and month of production.

Once expired, the product must be disposed of in accordance with current legislation.

6) Safety

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

3M™ Two Part Solvent Based Coating is designed FOR PROFESSIONAL INDUSTRIAL USE ONLY.



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7) Disclaimer

All statements, technical information and recommendations are based on tests we believe to be reliable as at the date of hereof, but the accuracy or completeness thereof is not guaranteed. Please ensure before using the product that it is suitable for your intended use. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, other than for fraudulent misrepresentation, 3M expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

For Additional Health and Safety Information

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