Technical Data Sheet

Effective: 09/03/2026 Supersedes: /05/16

Automotive Aftermarket Division

3M™ Bondo® 234D Ultimate Easy Sanding Body Filler

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1) Part Numbers

3M™ Bondo® 234D Ultimate Easy Sanding Body Filler + Hardener

2) Description and end uses

3M™ Bondo® Ultimate Easy Sanding Body Filler is a two-component, polyester-based lightweight body filler that is vacuum processed to provide a soft, creamy texture with excellent spread ability. It cures quickly and delivers easy sanding and good surface finish characteristics.

It is designed for cosmetic automotive body repair to fill dents, dings, gouges and surface imperfections on bare steel, galvanized steel, aluminum, sheet molded compound (SMC) and fiberglass reinforced polyester (FRP). This product is not intended for structural or load-bearing repairs.

3) Physical Properties

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

Physical properties	Part A – Filler	Part B – Cream Hardner
Container	One Gallon metal can	78 gms (2.75 oz) Plastic Tube
Base	Polyester resin with fillers & additives	Benzoyl Peroxide
Density	1.14 g/cm^3	1.2 g/cm^3
Color	Grey	Brick Red
Flash Point	31°C (88°F)	NA
Viscosity @25°C (77°F) Brookfield Viscometer	160,000 – 230,000 cP	70,000 – 150, 000 cP

The following times have been determined with ambient air temperature and substrate temperature @ 77°F (25°C) and are considered typical values.

Shape Sand Time	8 to 12 minutes when mixed with 2% hardener by weight @ 77°F (25°C)
Finish Sand Time	20 minutes when mixed with 2% hardener by weight @ 77°F (25°C)
Recommended Application Temperature	Above 45°F (7°C)
Service Temperature	Min. -20°F (-29°C) ~ Max. 180°F (82°C)
Min. Hardner	1.5%
Max. Hardner	2.75%

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Lap Shear, steel to steel	1,182 psi	ASTM D1002-10
Lap Shear, Aluminium to Aluminium	1,146psi	ASTM D1002-10
Tensile Strength	1,320 psi	ASTM D638-22
Shore D hardness @24 hrs	64	ASTM 2240
Flexural Strength	2,239 psi	ASTM D790-17
Shrinkage	0.95%	ASTM D2566

4) Directions for Use

1. Clean the repair area using soap and water followed by a wax and grease remover/surface cleaner. Sand the surface as needed with grade P40 to P80 Abrasive.
Note: If grinding is required, use a 3M™ Cubitron™ II Roloc™ Fibre Disc, then blow off the sanding dust with clean dry air followed by 80 grit abrasive. When repairing galvanized steel, e-coat surfaces or aluminium, sand with grade P80 abrasives to remove the paint/primer/rust. Blow off with clean dry compressed air and re-clean the surface using a clean paper or cloth towel and a wax and grease remover/surface cleaner.

2. Apply the required amount of body filler to a clean, nonporous mixing surface. (Do not use discarded cardboard as a mixing surface as contamination may occur.) Knead the hardener thoroughly. The correct hardener to filler ratio is 2% by weight.

3. Mix the body filler and cream hardener thoroughly, to a uniform colour. Work/gel time is approximately 3–5 minutes at 77°F (25°C) using 2% hardener as prescribed. Spread the filler out on the mixing board in a thin layer, being sure to break any air bubbles that were introduced during mixing, this will increase the gel time and help to reduce pinholes.

4. Apply a thin layer using firm pressure to ensure maximum adhesion, being sure to "wet out" the surface completely. Apply additional filler in layers, building up the damaged area higher than the surrounding surface. Maximum filler thickness should not exceed ¼ inch (0.6 cm). Allow curing time of 20 minutes @ 77°F (25°C). Note: In cooler temps the filler will have a longer work/gel time and sand time, in hotter temps the work/gel time will be shorter.

5. Sand the filler to the proper contour with Abrasives using the following recommended grade sequence: P80, P180. Note: If more filler is needed blow off with clean dry compressed air and follow steps 3 through.
Finishing the filler in P220 or P320 will help in the priming process.

6. Wait approximately 45 minutes before applying primer and paint, always follow your paint manufactures recommended procedures.

5) Storage

When stored at the recommended conditions in original, unopened containers, this product has a shelf life of 12 months from the date of manufacture. Store in a dry area at 65-80°F (18-27°C) for optimal shelf life.

6) Safety

Do not eat, drink or smoke when using this product. Wash the exposed areas thoroughly with soap and water. Keep out of the reach of children. Keep the 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.

3M™ Bondo® 234D Ultimate Easy Sanding Body Filler is designed FOR PROFESSIONAL INDUSTRIAL USE ONLY.

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

General 3M Contact address EMEA:	3M EMEA GmbH Kühlhausstrasse 2 4900 Langenthal Switzerland
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