



Technical Data Sheet

Effective: 18/08/2020 Supersedes: 01/07/2019

Technical Data Sheet Automotive Aftermarket Division

3M™ Flexible Foam

1) Part Numbers

3M™ Flexible Foam, 200 ml Syringe, PN08463

2) Description and end uses

3M™ Flexible Foam is an easy and effective way to produce a replacement of OEM flexible foams used in automotive applications. Working time of 40 seconds ensures prompt foam activation in closed cavities and tight spaces, full cure is one hour. This two-part urethane foam-in-place material is packaged in a 200ml cartridge utilising static mixing for direct application. One 200ml cartridge expands to approximately 185 cubic centimetres

3) Physical Properties

Container	200ml duo syringe cartridge	
Base	Urethane	Curative
Colour	Black	Amber / Brown
Flash point	>149°C	
Solids content	100%	
Consistency	Liquid prior to mixing	
Service temperature	-20°C to 82°C	
Foam density (unrestricted)	0.13 kg/l	

4) Directions for Use

The following times have been determined with ambient air temperature and substrate temperature @ (23°C) and are considered typical values.

WORK TIME: 40 Seconds

CLAMP TIME: N/A

CURE TIME: 1 hour



Technical Data Sheet

Effective: 18/08/2020 Supersedes: 01/07/2019

Generally used in automotive body repair when replacing flexible foam located inside body structures such as, to areas including door intrusion beam, roof bows, body side panels and other auto body closed cavities requiring flexible foam for NVH reduction. Use with the following accessories:

- 3M™ Manual Applicator (PN 08117)
- 3M™ Pneumatic Applicator (PN 09930)
- 3M™ Static Mix Nozzle (PN 08193, 6-bag)
- 3M™ Static Mix Nozzle (PN 08194, 50-box).

CARTRIDGE PREPARATION

1. Insert the cartridge into the applicator and remove the collar and plug. Discard a small amount of material to a disposable surface and reinstall the nozzle and collar.
2. Dispense a small amount of material through the mixing nozzle on to a disposable surface, preparation is now complete. Work quickly after this step as foaming occurs in 40 seconds.

STANDARD SOUND DEADENER APPLICATION

Cover areas such as interior trim to prevent accidental spillage or damage

1. Some applications require the use of a damming material, if the OEM material has been damaged insert a suitable substitute to form a dam maintaining proper positioning of the foam material, (a balloon may work well in some cases)
2. Apply flexible foam to previous OEM locations after final installation of outer sheet metal. Do not apply prior to welding operation completion. Consider the 40 second working time during the application.
3. In some cases, the use of a flexible hose such as clear vinyl may aide in accessing areas deep within structures, be sure to extrude the material quickly when using nozzle extensions
4. After application is complete keep the applicator plunger mechanism engaged to prevent the foam from migrating back into the cartridge. After a few minutes the cartridge may be removed from the applicator and placed in storage with the nozzle in place.



Technical Data Sheet

Effective: 18/08/2020 Supersedes: 01/07/2019

5) Storage

Store at room temperature. Rotate stock on a “first-in-first-out” basis. When stored at the recommended conditions in original, unopened containers, this product has a shelf life of 12 months. Use in a well-ventilated area.

6) Safety

Whenever possible, this product should be used in a well-ventilated area and suitable PPE should always be worn.

3M™ 08463 Flexible Foam 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.



Technical Data Sheet

Effective: 18/08/2020 Supersedes: 01/07/2019

For Additional Health and Safety Information

<p>3M United Kingdom plc Automotive Aftermarket 3M Centre, Cain Road, Bracknell, RG12 8HT Tel: +44 (0)161 237 6391 aadukenquiries@mmm.com www.3Mbodyshop.co.uk</p>	<p>3M Ireland Limited Automotive Aftermarket The Iveagh Building Carrickmines Park Carrickmines , Dublin 18 Tel: +353 12160301 aadukenquiries@mmm.com www.3Mbodyshop.co.uk</p>	<p>3M Denmark a/s Automotive Aftermarket Hannemanns Allé 53 2300 København S Tel: +45 43480100 aadukenquiries@mmm.com www.3MAuto.dk</p>
<p>3M Finland, Suomen 3M Oy Automotive Aftermarket Keilaranta 6 02150 Espoo Tel: 09 5252 1 aadukenquiries@mmm.com www.3M.fi/autotuotteet</p>	<p>3M Svenska AB Automotive Aftermarket Herrjärva torg 4 170 67 Solna Tel: 08-922100 aadukenquiries@mmm.com www.3M.se/bileftermarkad</p>	<p>3M Norge AS Automotive Aftermarket Kanalveien 2 2004 Lillestrøm Tel: 06384 aadukenquiries@mmm.com www.3m.no/auto</p>
<p>3M Latvija K.Ulmana 5 Riga, LV-1004 Tel: +371 67066120 aadukenquiries@mmm.com www.3m.lv</p>	<p>3M Eesti OU Pärnu mnt. 158 11317 Tallinn Tel: +372 6 115 902 aadukenquiries@mmm.com www.3m.ee</p>	<p>3M Lietuva A.Goštauto str. 40 A LT-01112 Vilnius Tel: +370 5 2160780 aadukenquiries@mmm.com www.3m.lt</p>

© 3M 2020. 3M is a trademark of the 3M company. All rights reserved