



Technical Data Sheet

Effective: 02/03/2020 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: 02/03/2020 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: 02/03/2020 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.

For Additional Health and Safety Information

3M South Africa & Sub-Saharan Africa, 146A Kelvin Drive, Woodmead, Sandton, South Africa, Tel: (0861) 225536
3M (East) AG Representation Office Tirane, Rruga Sami Frasheri, Pallati i Ri Perxhola Kati 2 Ap2, 1000 Albania
3M Arabia, LLC, Building 24-25 3M Saudi Arabia Zone C, Business Gate, Airport Road, Riyadh, Saudi Arabia
3M Bulgaria, Mladost 4, Business Park, bl.4, 2nd floor, Sofia 1766, Bulgaria
3M Česko, spol. s r.o., V Parku 2343/24, 148 00 - Praha 4, Czech Republic
3M (East) AG, Branch office Croatia, Avenija Većeslava Holjevca 40, 10 000 Zagreb, Croatia, Tel: +385 1 2499750, www.3m.com.hr
3M Egypt, Finance Center , New Cairo , Plot 140 , Banking Sector , 5th settlement , Cairo , Egypt
3M Hellas MEPE, Automotive Aftermarket Division, 20 Kifisias Avenue, 151 25 Marousi, Greece, Phone: +30 210 68 85 300, innovation.gr@mmm.com, www.3M.gr
3M Hungária Kft, Neumann János u. 1/E, 1117 Budapest, Hungary
3M Israel, 91 Medinat Hayehudim St., Herzliya, Israel
3M Kenya Ltd, Victoria Towers, 3rd Floor, Kilimanjaro Av, Upperhill, Kenya
3M Gulf Limited, Ein El Mreisseh, Saint Charles City Center, 4th. Floor, P.O.Box: 11-5025, Riad el Solh, Beirut 1107 2180 Lebanon



Technical Data Sheet

Effective: 02/03/2020 Supersedes: 01/07/2019

3M Minnesota Mining & Manufacturing Nigeria Limited, No 2 Sheraton Opebi Link Road, Ikeja, Lagos Nigeria
3M Pakistan, Islamic Chamber of Commerce Building, ST-2/A, Block 9, KDA Scheme 5, Clifton, Karachi, Pakistan
3M Poland, Al. Katowicka 117, Kajetany, 05-830 Nadarzyn, Poland, Telefon: +48 22 739 60 00, www.3m.pl/kontakt
3M Gulf (Representation Office), Suhaim Bin Hamad St., Al Mana Towers Tower B, 2nd Floor, Office No.4, Doha Qatar, P.O.Box 14685
3M Romania,12 Menuetului St., Bucharest Business Park, Building D, District 1 013713 Bucharest, Romania
3M (East) AG, Representation Office Serbia, Airport City, Omladinskih brigada 90B, 11070 Belgrade, Serbia, Tel: +381 11 2209 400, www.3m.co.rs/3M/sr_RS/3m-south-east-europe/
3M Slovensko s.r.o., Polus Tower 2, Vajnorská 100/B, 83104 Bratislava
3M (East) AG, Branch office Slovenia, Cesta v Gorice 8, 1000, Ljubljana, Slovenia, Tel: +386 1 2003 630, www.3m.com/3M/sl_SI/3m-south-east-europe/
3M Sanayi ve Ticaret As, Barbaros Mah., Mor Sümbül Sok., No:7/3F, 27-51, Nidakule Ataşehir Güney, 34746 Ataşehir, İstanbul, Turkey
3M Gulf Limited, Dubai Internet City, Building No. 11, 3rd Floor, U.A.E