



## Automotive Aftermarket Division

### 3M™ 08855 MS General Purpose Seam Sealer

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#### 1) Part Numbers

3M™ 08855: 290 ml cartridge, white MS caulk-able sealer (12 cartridges / carton)

3M™ 08012: pneumatic gun for cartridge

3M™ 08013: manual gun

3M™ 08993: universal pneumatic gun

#### 2) Description and end uses

3M™ 08855 is a one-part moisture curing, general purpose seam sealer designed to seal interior and exterior automotive body joints. It is based on MS Polymer formulation (isocyanate free) and packaged in an aluminium cartridge. It cures to form a permanent, hard and flexible seal.

Being MS based, it can be overpainted immediately with all automotive paint systems including water-based.

Designed to be used with either the 3M™ 08012 pneumatic gun for cartridge, or the 3M™ 08013 manual gun.

##### Key features:

- Wet on wet overpaint ability
- No isocyanate, no silicone
- High final hardness
- Fast-tack free time
- Low solvent content - no shrinkage
- Excellent sag resistance

##### End-uses:

- Door hemming flange
- Round seams and brush able seams
- Gap filling between panels
- Over-lapping joints
- Floor pans
- Roof corners



# Technical Data Sheet

Effective: 28/02/2020 Supersedes: 20/09/1999

## 3) Physical Properties

Base	1-part moisture curing MS polymer
Consistency	Thixotropic paste
Solvent	Aliphatic
Specific Gravity	1.7 ↑ 0.05
Flash point	> 55°C
Color	White
Solid content (typical)	Approx. 94%
Tack free time (23°C, 50%RH)	15 ↑ 5 minutes
Cure through rate (23°C, 50%RH)	3 ↑ 0.2 mm/24 hours
Shore A hardness	35-40 after 24 hours 60-65 final hardness
Tensile strength at break	3.9 MPa
Elongation at break	200 %
Overpaint ability	Wet on wet with all paint systems, including water based.
Adhesion	Excellent on abraded steel or primed metal.
Environment resistance	Oil : good Petrol : swelling Water : good
Temperature resistance	- 25°C to 90°C
Application temperature	+5°C to +35°C
Storage conditions	Cool dry place. Best results are obtained when material is stored and applied at room temperature, 15 to 30°C. Storage temperature must not exceed 50°C.
Shelf Life	9 months from date of manufacture under normal storage conditions. Refer “Lot Number” on cartridge.



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## 4) Directions for Use

1. Remove all dirt, grease and old sealant and clean with 3M™ 08984 Adhesive Cleaner.
2. Punch the top of the cartridge and remove aluminium crimp.
3. Screw nozzle on and insert into pneumatic 3M™ 08012 or manual 3M™ 08013 gun.
4. With 3M™ 08012, use pressure: 3 bars.
5. Tool or brush the sealer within 10-15 minutes after application.
6. Clean any excess of sealer when not cured with 3M™ 08984 Adhesive Cleaner.

## 5) Storage

Store at room temperature in flammables storage area. 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 see container for details. Use in a well-ventilated area.

## 6) Safety

Please refer to the Material Safety Data Sheet or contact your local 3M™ Toxicological Department.

3M™ 08855 MS General Purpose Seam Sealer is designed FOR PROFESSIONAL INDUSTRIAL USE ONLY.

## 7) Disclaimer

All statements, technical information and recommendations are based on tests we believe to be reliable but the accuracy or completeness thereof is not guaranteed. Please ensure before using our product that it is suitable for your intended use. All questions of reliability relating to this product are governed by the Terms of Sale subject, where applicable, to the prevailing law.



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