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Technical Data Sheet 05808 (one gallon)
05810 (5 gallon air dispenser)

Public

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3m™ Premium Lightweight Filler

Data Sheet

3M Part No.(s)	3M Part Descriptor(s)
05808 (one gallon)	3m™ Premium Lightweight Filler
05810 (5 gallon air dispenser)	

3M Fax on Demand Identification Number : 05808

Description

Two component lightweight, vacuum processed body filler, cures tack free in 20 minutes, excellent sanding and handling characteristics.

Features, Advantages, Benefits

Features	Premium lightweight filler
	Premium resin
	Excellent handling
Advantages	Easy sanding
	Tack free
	Easy to shape
Benefits	More productive
	Resists abrasive loading
	More productive, less waste

Typical Physical Properties

Container	One gallon can, Five gallon air dispenser	2.75 oz. plastic tube
Base	Polyester resin with styrene monomer	Benzoyl peroxide
Density lbs/Gallon (Appx.)	9.8 lbs. +/-0.25 gallon	10.0 lbs./gallon
Color	Gray	Red
Flash Point - °F	89 deg. F	N/A
Consistency	Homogenized paste	Viscous paste

Product Uses

Two component compound used to fill dents, gouges, and other cosmetic imperfections in Steel, Aluminium, SMC, and Fiberglass panels.

Performance Properties

Sand Time: 20 minutes when mixed with 2% hardener by weight @ 77 deg. F

Minimum recommended application temperature: 65F, lower temps will slow cure.

Viscosity (CPS) Brookfield Viscometer: 200,000 - 244,000 cps @ 2.5 rpm

Shore D hardness: 10 Min. 50 +-5

20 Min. 66 +-5

30 Min. 70 +-5

60 Min. 70 +-5

24 hour 74 +-5

Service Temperature - °F: Min.-20 deg.F Max 175 deg. F

Lap Shear, Steel to Steel: ASTM D3163-84 1550 +- 100PSI

Lap Shear, Aluminium to Aluminium: ASTM D3163 850 +- 100PSI

Tensile Strenght: ASTM D638-82 2150 +- 100PS

Handling and Application Information

Directions for Use

1. Grind clean metal surfaces with a grade 36 - 50 3M™ abrasive (such as Roloc).
2. Apply the required amount of body filler to a clean mixing surface. Do not use discarded cardboard. Apply a 1.5 inch long strip of creme hardener to golf ball-sized amount of filler.
3. Mix body filler and creme hardener thoroughly, to a uniform color. Spread filler on mixing board, being sure to break any air bubbles that were introduced during mixing.
4. Apply mixed filler to surface, 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 1/4 inch. Allow curing time of 20 minutes.
5. Sand to contour with 3M™ abrasives, using the following recommended grade sequence: 40, 80, 180.
6. Prime and paint following paint companies recommended procedures.

Applications

Two component compound used to fill dents, gouges, and other cosmetic imperfections in Steel, Aluminium, SMC, and Fiberglass panels

Storage and Handling

HANDLING

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

STORAGE

Store in a dry area at 65-80 deg F for optimal shelf life. Shelf life: one year from date of manufacture.

Precautionary Information

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

Country

US

This document is public. It may be distributed.

Warranty and Limited Remedy

This product will be free from defects in material and workmanship at the time of shipment. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If this product is defective, your exclusive remedy and 3M's and seller's sole obligation shall be, at 3M's

s option, to replace the product or refund the purchase price.

LIMITATION OF LIABILITY: 3M and seller will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

For Additional Health and Safety Information

3M Automotive Aftermarket Division
3M Center, Building 223-6N-01
Saint Paul, MN 55144-1000
1-877-666-2277 (1-877-MMM-CARS)

Material Safety Data Sheets and Technical Data Sheets are also available by calling Fax on Demand 1-800-305-0419.
Help Line 1-800-621-5455 (US) 1-650-596-4407 (International).

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