



## Automotive Aftermarket Division

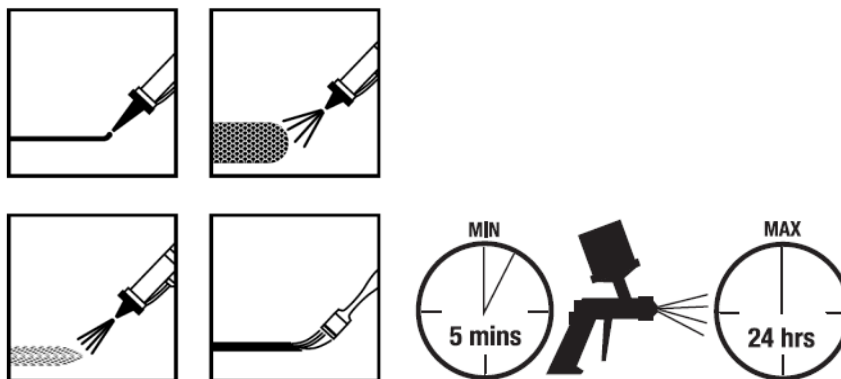
### 3M™ 50740 Multipurpose Hybrid Beige Sealant

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#### 1) Part Numbers

50740

#### 2) Description and end uses



3M™ 50740 Beige hybrid sealant is a sprayable sealant in cartridge for general purpose from the formulation of a hybrid polymer (no isocyanates).  
Packaged in aluminium cartridges of 310 ml

- Applicators: 3M™ 08012 pneumatic gun with pressure regulator  
3M™ 08013 manual gun  
3M™ 08993 Universal pneumatic gun

3M™ 50740 is a one-component sealant, moisture curing, multi-purpose sealer, designed to seal and restore sealing spray between welded areas and overlapping panels (rear panels, engine compartment, wings, side panels, front panels, sills, etc.) matching the original finish. It can also be used as a sealant applied with a brush.

The polymerization time depends on the humidity and temperature; the higher the level of humidity and temperature, the faster the polymerization time.

The hybrid origin of the sealant enables it to be painted over immediately after extrusion, even with water-based paint products. If unpainted after 24 hours, and to ensure the best adhesion of the paint, you should lightly abrade with Scotch-Brite.



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It is always advisable to do a preliminary check of the compatibility of the sealant with their paint products.

The product adheres well to the bare metal but for better corrosion prevention it is recommended to treat bare metal with a suitable primer before proceeding with the application of the sealant.

Avoid applying the hybrid sealant on a fresh polyurethane fully cured as it may cause curing problems. The adhesion on difficult materials such as PE, PP and PVC should be tested thoroughly before use.

### 3) Physical Properties

Base	Hybrid
Consistency	Thixotropic Paste
Colour	Beige
Viscosity at 23°C Brookfield RVT / Spindle 7/5 rpm	240,000 +/- 60,000 mPa.s
Density a 20°C	1,66 +/- 0,05
UV Resistance	Excellent
Temperature resistance	- 40° C / + 90° C
Application temperature	+ 5°C / + 35° C
Tack free time	20 - 30 mins (23°C - 50 % relative humidity)
Final shore hardness 'A' (ISO 868 – 3 seconds)	Approx. 70
Cure rate	3 mm after 24 hrs (23°C - 50 % relative humidity)
Resistant to water and salt	Excellent
Compatible with alkyd paints	NO
Compatible with water based paints	YES
Shelf – Life	12 months in normal storage conditions (+5 and +25°C)

Tack-free time: 20-30 minutes (23°C - 50% relative humidity)

Final hardness: Shore 'A' (ISO 868-3 seconds) about 70

Curing rate: 3 mm after 24 hours (23 ° C - 50% relative humidity)

Resistance to water and salt spray: Excellent

Compatibility with alkyd paints: NO

Compatibility with water based paints: YES

Shelf – Life: 12 months in normal storage conditions (+5 and + 25 ° C)



## 4) Directions for Use

When using standard applicators 3M™ 08012, 08013 and 08993:

Cut the nozzle being careful not to damage the thread.

Make sure that the applicator gun is set for extruding material from cartridges and not from sachet.

Screw the nozzle onto cartridge

Insert cartridge and tighten the locking collar for the Applicator and extrude the product. If you are using a universal gun 3M™ 08993 remember to insert the silver ring inside the gun before tightening the threaded collar.

For Use as SPRAY application with the Universal Applicator 3M™ 08993:

Open the cartridge and screw the plastic nozzle on the threaded end. Insert the cartridge into the applicator, place the dark plastic nozzle over the inner nozzle, and finally tighten the clamping collar.

To achieve the desired appearance of the seal spray use air control and pressure dials on the applicator.

### PREPARATION OF SUBSTRATE

The substrate must be perfectly clean, dry and free of dust, oil, grease and any contaminant which may damage the bonding. All traces of paint or other coatings must be systematically eliminated in advance. Clean, if necessary, with 3M™ Adhesive Cleaner 08984. You may need to abrade metal surfaces beforehand. Clean thoroughly after each step abrasive. Allow to dry the surface thoroughly after degreasing. Caution when using solvents, always follow the safety instructions given by the manufacturer or supplier. Adhesive Cleaner 3M™ 8984 is also suitable for cleaning of residual sealant not cured. If polymerized use abrasive material for removal.

## 5) Storage

For maximum shelf life (12 months), store the product at a temperature between 15 °C and 25 °C and keep it intact in its original packaging. Making your inventory turnover according to the "FIFO": "First In - First Out."



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## 6) Safety

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Precautionary Information	Before using this product, please reference Product Label and/or Safety Data Sheet for Health and Safety Information. Note: Laws controlling the acceptable amounts of Volatile Organic Compounds (VOC's) vary by state, and in some cases by locality. For surface preparation and clean-up activities, consult federal, state and local regulations regarding use of products containing VOCs in your area.
Technical Information	The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M™ believes are reliable, but the accuracy or completeness of such information is not guaranteed.
Product Use	Many factors beyond 3M™'s control and uniquely within the user's knowledge and control can affect the use and performance of a 3M™ product in a particular application. Given the variety of factors that can affect the use and performance of a 3M™ product, user is solely responsible for evaluating the 3M™ product and determining whether it is fit for a purpose and suitable for user's method of application.
Limitation of Liability	Except where prohibited by law, 3M™ will not be liable for any loss or damage arising from the 3M™ product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

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3M™ 50740 Multipurpose Hybrid Beige Sealant 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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