

TEROSON® MS 9320

April 2013

Product description

TEROSON® MS 9320 provides the following product characteristics:

Technology	MS®-Polymer
Product type	Multi-functional sealant 4in1
Components	One-component
Cure	Humidity
Application	Assembly
Appearance	Black, grey, ochre
Consistency	Pasty

TEROSON® MS 9320 Multi-functional sealant "4 in 1" is a sprayable sealant based on MS® -Polymer, which cures by reaction with humidity to an elastic, abrasion resistant product. The skin formation and curing times are dependent on humidity and temperature, and the curing time also depends on joint depth. By increasing the temperature and humidity, the reaction time can be reduced; low temperatures as well as low humidity retard the process.

TEROSON® MS 9320 displays the following properties:

- repaired seams have the same appearance as the original
- free of isocyanate, silicone and PVC
- good adhesion to metals, primers and top coats
- good paint compatibility, also to alcohol containing paints
- sag resistant
- sprayable and brushable
- fast through curing
- UV resistant
- High ageing resistance
- spotweldable if not cured

In addition, the material possesses modest sound damping properties.

Application areas:

TEROSON® MS 9320 Multi-functional sealant "4 in 1" is recommended for the sealing of automobile seams in the repair shop in the areas of:

- engine compartment
- boot
- passenger cabin

The structure of nearly all original seams can be simulated by the use of the Telescope-Pistol Multit-Press air assisted spray pistol. TEROSON® MS 9320 Multi-functional sealant "4 in 1" can also be used on larger areas to repair or substitute PVC based underbody or stone chip protection coatings.

Technical data

Colour	Black, grey, ochre
Odour	Characteristic
Density, g/cm ³	~1.5
Consistency	Paste
Miscellaneous:	
Sag resistance	very good
Curing mechanism	humidity curing
Skin formation time, min*	~10
Cure rate, mm/24 hrs*	~3
Shore-A-hardness (DIN 53505)	~60
Application temperature, °C	15 to 35
Paint compatibility	can be painted wet-in- wet with car repair paints
Adhesion	good adhesion to sheet metal (in degreased untreated, galvanized, EC or top-coat painted condition, including metallic paints), PVC underbody coating, polyester, PP/EPDM (trials are recommended)
Chemical resistance	resistant to light, PVC plasticizers and (short term) to petrol
In service temperature range, °C	-40 to 90
Short exposure (up to 3 h), °C	130
* DIN 50014 standard climate	23°C, 50% relative air humidity

Direction for use

Preliminary statement:

Prior to use it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Pre-Treatment:

The substrates must be clean, dry and grease free. For pretreatment TEROSON VR 20 is suitable. TEROSON® MS 9320 Multi-functional sealant "4 in 1" is increased by roughening the contact surface with abrasive paper or textiles.



Application:

TEROSON® MS 9320 should be applied using a Telescopic Multi-Press gun. With this gun the material can be applied either as a bead or by spraying with a dual-circuit compressed air system. It is both sprayable and brushable, allowing seam structures and brush textures to be created. Seams applied with TEROSON® MS 9320 can be oversprayed after only 15-30 minutes. If earlier paint-spraying is required, TEROSON MS 9120 can be used, which is highly compatible with TEROSON® MS 9320 Multi-functional sealant "4 in 1". The gun can be adjusted to allow quick and easy reaction of nearly all OEM-supplied textures. By varying the spraying the distance is also possible to control the seam width and edges. Handling and setting details can be found in the instruction provided with the gun.

Cleaning:

For cleaning application equipment contaminated with uncured TEROSON® MS 9320 we recommend the use of cleaner TEROSON VR 20. Cured material can only be removed mechanically.

Painting:

TEROSON® MS 9320 can be painted wet-on-wet with car repair paints. Curing is not hindered by an immediate painting but retarded. Painting should be done within 3 days after application of the sealant. Beginning with the fourth day, TEROSON 150 P Primer should be applied before painting to get an optimum adhesion. Accelerated drying after painting in a drying oven or under IR by a temperature of 60°C is possible.

Primer:

Because of their good characteristics for corrosion resistance and adhesion primers based on phosphate and epoxy resins are the most compatible. Important: primers have to be dry when using TEROSON® MS 9320 Multi-functional sealant "4 in 1" for sealing and coating.

High viscosity primers:

If, after accident repair, those parts to be painted have to be coated with high viscosity primers or similar, these materials should preferably be sprayed before applying TEROSON® MS 9320 Multi-functional sealant "4 in 1". They should not be applied onto TEROSON® MS 9320 Multi-functional sealant "4 in 1" because they are not as elastic as the sealant. If a high viscosity primer has to be sprayed following sealing or coating two things have to be assured: TEROSON® MS 9320 Multi-functional sealant "4 in 1" should have been applied at least 6 hours before the high viscosity primer which must be suitable for the coating of plastics.

Incompatibility:

TEROSON® MS 9320 is not compatible with uncured 1C-polyurethane material. PU products must have completely cured until TEROSON® MS 9320 is applied. TEROSON® MS 9320 should have fully cured until it is coated with TEROSON® WT R 2000 BK AQU. Also the material should not be treated with aromatic solvent systems, for example, TEROSON® SB S 3000 or TEROSON® RB R 2000 HS since this may cause the sealant to partially dissolve or swell.

Tip based on our practical experience:

For filling deep joints we recommend TEROSON® MS 9120 which shows excellent compatibility with TEROSON® MS 9320 Multi-functional sealant "4 in 1".

Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:

Transport Regulations
Hazardous Information
Safety Regulations

Storage:

Frost-sensitive	no
Recommended storage temperature, °C	10 to 25
Shelf-life (in unopened original packaging), months	12

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Reference 1

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