

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, Ocher		
Consistency	Pasty		

TEROSON MS 9320 Multi-functional sealant "4 in 1" is a sprayable sealant based on ${\rm MS}^{\rm @}$ -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 Multi-functional sealant "4 in 1" 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 compability, 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:

TÉROSON 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 Mulit-Press air assisted spray

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

Density and SG:

Colour: grey, ocher, black
Odour: characteristic
Density, g/cm³: approx. 1.5
Consistency: paste

Miscellaneous:

Sag resistance: very good
Curing mechanism: humidity curing
Skin formation time, min*: approx. 10
Cure rate, mm/24 hrs*: approx. 3
Shore-A-hardness (DIN 53505): approx. 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: resitant 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

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DIRECTIONS OF USE

Preliminary statement:

Prior to application 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.

Pre-Treatment:

The substrates must be clean, dry and grease free. For pretreatment TEROSON FL+ 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 overpsprayed 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 Mulit-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 FL+. 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 Multifunctional sealant "4 in 1".

STORAGE

Shelf life:

Frost-Sensitive			No		
Recommended Storage Temperature, °C				10 to 25	
Shelf-life packaging)	(in	unopened	original	12 months	

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Note:

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