

TEROSON MS 9320 SF

September 2013

PRODUCT DESCRIPTION

TEROSON MS 9320 SF provides the following product characteristics:

Technology	SMP technology
Product Type	Multi-functional sealant 6in1
Components	One-component
Cure	Humidity
Appearance	Black, Grey, Ocher
Consistency	Pasty

TEROSON MS 9320 SF is a sprayable sealant based on SMP-Polymer, that crosslinks to a rubber-elastic material with good abrasion resistance by absorbing humidity from the air. Skin formation time and curing time depend on the humidity of the air and the temperature. In addition, the curing time also depends on the layer thickness. 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 SF is outstanding on account of the following properties:

- Sealant and seam sealing product in one
- High sag resistance
- Sprayable and brushable
- Can be applied using a flat spray nozzle or a broad jet nozzle
- Can be painted up to three days after application with solvent-coating and water borne paint systems
- Broad range of adhesion without the use of primer
- Spotweldable if not completely cured
- free of isocyanate and silicone
- Very rapid curing
- UV resistant
- High ageing resistance

Application Areas:

TEROSON MS 9320 SF is used with automobiles, particularly for the repair sealing of seams originally applied, in the following areas:

- engine compartment
- luggage boot
- passenger cabin
- wheel housing/underbody.

Every structural seam can be obtained with appropriate nozzles by means of the Telescope-Pistol Multi-Press or the PowerLine II pistol.

TEROSON MS 9320 SF is used as a surface coating for repair purposes or completing PVC underbody coating and/or stone chip protection.

TECHNICAL DATA

Colour:	grey, ocher, black
Odour:	characteristic
Density, g/cm ³ :	approx. 1.5
Consistency:	paste
Sag resistance:	very good
Curing mechanism:	humidity curing
Cure rate, mm/24 hrs*:	approx. 4.5
Skin formation time, min*:	8 to 20
Shore-A-hardness (DIN 53505):	approx. 30
Adhesion:	raw metal sheet, EC paint, top-coat paint, metallic paint
Paint compatibility:	Yes (see for: overpainting)
Chemical resistance:	resistant to UV-ageing and weathering
Application temperature, °C:	15 to 35 For flat stream applications also up to 60°C short exposure (Teroson cartridge oven)
In service temperature range, °C:	-30 to 90
Short exposure (up to 3 h), °C:	120
* 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.

Important:

For application of primers, fillers, primer fillers, paints or other coatings, technical guidelines from manufacturers have to be considered and followed.

Pre-Treatment:

The adhesion of Terostat TEROSON MS 9320 SF is improved, if the contact surfaces (plastics) are roughened with an abrasive non-woven. The substrates must be clean, dry and grease free. For pretreatment TEROSON FL+ is suitable. After the cleaning of ground / bare steel and aluminum surfaces we recommend a pretreatment with BONDERITE 1455-W Wipes. This improves adhesion and corrosion protection.

Processing:

For the spraying of TEROSON MS 9320 SF from cartridges, the MultiPress telescope-pistol (for spraying only!) should be used. With this pistol it is possible to apply TEROSON MS 9320 SF either in the form of a material bead ("sealant bead") or to spray it on by means of a two-circuit air system. The PowerLine II-pistol with the appropriate nozzles must be used for reproducing the new flatstream seals, since this requires higher pressures. TEROSON MS 9320 SF can either be sprayed or brushed, i.e. with TEROSON MS 9320 SF it is possible to reproduce structural seams as well as structures obtained by means of a brush. TEROSON MS 9120 or TEROSON MS 9120 SuperFast, which are perfectly compatible with TEROSON MS 9320 SF can be used as an undercoat material. Virtually all types of structures specified by the manufacturer can be reproduced rapidly and without problems by means of appropriate adjustments of the pistols. Furthermore, it is possible to adapt the width and limitation of the seam depending on the spray distance. See the operating instructions for the adjustment and use of the pistols.

Cleaning:

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

Primer:

When primers are used (2-component epoxy resin primers are particularly suitable due to their good corrosion protection and adhesion), these should be completely dry/have fully cured according to manufacturers' instructions, before sealing or coating with TEROSON MS 9320 SF is carried out. On account of the great variety of systems available, we recommend that sufficient trials should always be carried out.

Fillers and primer fillers:

If, after repair of damages caused by an accident, the parts to be painted must be coated with a filler, primer filler or sprayable filling paste, these should ideally be applied before sealing or coating with TEROSON MS 9320 SF is carried out. If coating with a filler or primer filler shall be carried out only after TEROSON MS 9320 SF has been applied, this can be performed using special wet-on-wet systems. On account of the great variety of systems available, we recommend that sufficient trials should always be carried out.

Painting properties:

TEROSON MS 9320 SF can be painted with usual commercial available car paints immediately after it has formed skin. Early overpainting does not inhibit curing but slows down the curing process. Overpainting should be carried out within 3 days max. From the 4th day onwards, primer TEROSON 150 P Primer should be used before painting in order to achieve optimal adhesion. On account of the great variety of systems available, we recommend that sufficient trials should always be carried out.

Incompatibility:

TEROSON MS 9320 SF is not compatible with uncured 1C-polyurethane material. PU products must have completely cured until TEROSON MS 9320 SF is applied. TEROSON MS 9320 SF 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.



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STORAGE**Shelf life:**

Frost-Sensitive	No
Recommended Storage Temperature, °C	10 to 25
Shelf-life	12 months

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