Technical Data Sheet

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 humidity and 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 structual 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/cm³:	~1.5
Consistency	Paste

Miscellaneous:

Sag resistance	very good
Curing mechanism	humidity curing
Skin formation time, min*:	8 to 20
Cure rate, mm/24 hrs*:	~ 4.5
Shore-A-hardness (DIN 53505):	~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, ºC	15 to 35
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

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.

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 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® VR 20 is suitable. After the cleaning of ground / bare steel and aluminum surfaces we recommend a pretreatement 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 on ly!) 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 power line II-pistol with the appropriate nozzles must be used for reproducing the new flatstream sea, 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 structura l seams as well as structures obtained by means of a brush. TEROSON® MS 9120 or TEROSON® MS 9120 Super Fast, 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 VR 20. 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 ful ly 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 shoul 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.

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

Disclaimer

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