

TEROSON® MS 9322 SF 2C

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PRODUCT DESCRIPTION

TEROSON® MS 9322 SF 2C provides the following product characteristics:

Technology	Silane-modified polymer
Product Type	Adhesive/Sealant
Components	Two-component
Cure	Cure at ambient temperature
Application	Rail industry
Appearance	Component A: grey Component B: white
Consistency	Low viscous, Thixotropic
Odor	Characteristic
Mix Ratio, by volume - Part A: Part B	10 : 1

TEROSON® MS 9322 SF 2C is a low viscosity two-component adhesive based on silane modified polymers which cures to an elastic product. It can be applied in beads or sprayed out of the cartridge. The material is free of solvents, isocyanates and silicones.

It displays following properties:

- Very fast cure
- Sprayable and brushable
- Thixotropic after application
- Primerless adhesion in most cases
- Paintable up to three days after application
- Spotweldable in uncured state
- UV resistant
- High ageing resistance

Application Areas:

TEROSON® MS 9322 SF 2C covers a various range of applications in the production of railway vehicles and in the repair shop.

Following applications in particular are targeted:

- bonding of the floor cover
- bonding of insulation panels
- low viscosity sealing
- coating
- potting

TECHNICAL DATA

Component A, density, g/cm³: approx. 1.55
Component B, density, g/cm³: approx. 1.34

Mixture (Component A+B)

Pot life, min*: approx. 5
Open time, min*: approx. 20
Shore-A-hardness: approx. 24
(ISO 868, Durometer A)
Tensile strength (acc. to ISO 37), MPa: approx. 1.4
Elongation at break (acc. to ISO 37, speed 200 mm/min), %: approx. 360
Tensile shear strength (acc. to EN 1465, speed 50 mm/min, on 1 mm aluminum, 1 mm layer thickness), MPa: approx. 1.0
Handling time * (acc. to EN 1465), to reach 0.1MPa, min: approx. 30 to 45
Application temperature, °C: 15 to 40
In service temperature range, °C: -40 to 90
* ISO 291 standard climate: 23°C, 50%, relative air humidity

DIRECTIONS FOR 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, oil- and grease free. Cleaners Teroson PU 8550 or Teroson VR 10 are recommended for this. Depending on the surface it can be necessary to roughen the surface or to use an adhesion promoter e.g. Teroson SB 450 to provide best adhesion. When manufacturing plastics, external release agents are often used; these agents must be accurately removed first. Due to the different compositions of paints, especially powder paints and the large number of different substrates, application trials before use are necessary.

Application:

TEROSON® MS 9322 SF 2C consists of two components A and B. By means of suitable application equipment, both A and B component are dosed in a ratio by volume of 10:1 and

are homogeneously mixed by use of static mixer shortly before application. The adhesive can be applied in beads or sprayed by means of a secondary air connection on the mixer tip. Low material temperatures of the sealant will lead to an increase of viscosity with an impact on the extrusion rate and the spray pattern. The temperature also influences the pot life, open time and cure time. Therefore the product should always be applied in the recommended temperature range. This can be achieved by bringing the adhesive up to room temperature prior to application or storing under controlled temperature.

Application Equipment:

To apply the product correctly, a pneumatic hand gun e.g. 2693825 has to be used. An adapter for the secondary air supply can be provided by Henkel technical customer service. Manual hand guns are not suitable for this product.

Storage:

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

ADDITIONAL INFORMATION

Disclaimer:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

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