

TEROSON MS 9302

August 2014

PRODUCT DESCRIPTION

TEROSON MS 9302 provides the following product characteristics:

Technology	Silane-modified polymer
Product Type	Sealant
Components	One-component
Cure	Humidity
Application	Assembly
Appearance	White, Grey, Brown
Consistency	Pasty, Thixotropic
Odor	Characteristic

TEROSON MS 9302 is a spray- and gunable, one-component sealant based on silane-modified polymers, which cures by reaction with moisture to an elastic 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 moisture these times can be reduced; low temperature as well as low moisture retard the process. TEROSON MS 9302 is free of solvents, isocyanates, silicones and PVC, and is odorless. It demonstrates good adhesion to many substrates and is compatible with suitable paint systems. The sealant can easily be trowelled. The sealant also demonstrates good UV resistance and can therefore be used for interior and exterior applications. TEROSON MS 9302 allows accelerated curing as two-component material.

Application Areas:

TEROSON MS 9302 is used as an elastic coating for the following applications: as water vapour barrier for protective coating against corrosion. for professional tube insulation at low temperatures. for UV protection of insulation materials.

TECHNICAL DATA

Density, g/cm ³ :	approx. 1.5
Skin formation time, min*:	approx. 8 to 15
Cure rate, mm/24 hrs:	approx. 3 to 4
Shore-A-hardness (ISO 868, Durometer A):	approx. 35
Tensile strength (acc. to ISO 37), MPa:	approx. 0.9
Elongation at break (acc. to ISO 37, speed 200 mm/min), %:	approx. 200
Stress at 100 % elongation (acc. to ISO 37), MPa:	0.6
Volume change (acc. to DIN 52451), %:	<2
UV resistance:	no signif. changes
UV source:	Osram Vitalux 300W,

Distance to the specimen, cm:	dry UV 25
Test period, weeks:	6
Application temperature, °C:	5 to 40
In service temperature range, °C:	-50 to +80
Short exposure (up to 1 h), °C:	120
* ISO 291 standard climate:	23°C, 50% relative air humidity

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, oil- and grease free. Depending on the surface it can be necessary to roughen the surface or to use a primer/adhesion promoter to provide best adhesion. . When manufacturing plastics, external release agents are often used; these agents must be accurately removed prior to starting bonding or sealing. Due to the different compositions of paints, especially powder paints and the large number of different substrates, application trials before use are necessary. For cleaning, Cleaner + Diluent TEROSON VR 30, TEROSON VR 10 or TEROSON SB 450 from the Henkel portfolio are suitable. . When bonding and sealing PMMA, e.g. Plexiglas®, and polycarbonate, e.g. Makrolon® or Lexan®, under tension, stress corrosion cracking may occur. Application trials before use are necessary. There is no adhesion to polyethylene, polypropylene and PTFE. Substrates not mentioned above should be subject to trials.

Application:

Application from 310 mL cartridges is made with the TEROSON Hand or Air Pressure Pistols, and from plastic wallets (310 and 570 mL) with the corresponding FK-Hand or FK-Air Pressure Pistols. In the case of compressed air application a pressure of 2 to 5 bar is required. Low material temperatures of the sealant will lead to an increase of viscosity, resulting in a lower extrusion rate. This can be avoided by bringing the sealant up to room temperature prior to application. TEROSON MS 9302 can also be applied from hobbocks or drums with high pressure pumps with follower plates. See separate application directions of Teroson MS products in hobbocks and drums.

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Cleaning:

For cleaning application equipment contaminated with uncured TEROSON MS 9302 we recommend the use of cleaners + diluents Teroson A, D or FL.

Storage:

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

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Reference **N/A**

ADDITIONAL INFORMATION

Disclaimer:

Note:

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