

TEROSON MS 934

April 2014

PRODUCT DESCRIPTION

TEROSON MS 934 provides the following product characteristics:

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

TEROSON MS 934 is a gun-grade, 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 934 is free of solvents, isocyanates, silicones and PVC. It demonstrates good adhesion to many substrates and is compatible with suitable paint systems. TEROSON MS 934 can be damaged under UV load.

Application Areas:

TEROSON MS 934 is used for special applications and has to be painted over exterior applications.

TECHNICAL DATA

Density, g/cm ³ :	approx. 1.05
Miscellaneous:	
Sag resistance:	no sagging (DIN profile 15 mm)
Skin formation time, min*:	approx. 5
Cure rate, mm/24 hrs:	approx. 3
Shore-A-hardness (DIN 53505):	approx. 35
Tensile strength (acc. to DIN 53504), MPa:	approx. 1.8
Elongation at break (acc. to DIN 53504),%:	approx. 250
Stress at 100 % elongation (acc. to DIN 53504), MPa:	approx. 0.9
Volume change (acc. to DIN 52451), %:	<2

Application temperature, °C:	5 to 40
In service temperature range, °C:	-40 to +80
Short exposure (up to 1 h), °C:	120

* DIN 50014 standard climate: 23°C, 50% relative air humidity

DIRECTIONS OF 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.

Adhesion:

Depending on the surface it can be necessary to roughen the surface or to use primer such as Teroson SB 450 as an adhesion promoter to provide optimum adhesion.

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 bonding and sealing PMMA, e.g. Plexiglas® and polycarbonate, e.g. Makrolon® or Lexan®, under tension, stress corrosion cracking may occur. In such cases Teroson MS 934 should not be utilised. There is no adhesion to polyethylene, polypropylene and PTFE (e.g. Teflon®). 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 with a piston rod. 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.

Cleaning:

For cleaning application equipment contaminated with uncured TEROSON MS 934 we recommend the use of cleaners Teroson A, D or FL+.

STORAGE**Shelf life:**

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**