

Teroson SI 9140

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PRODUCT DESCRIPTION

Teroson SI 9140 provides the following product characteristics:

Technology	Neutral curing
Product Type	Sealant
Application	Assembly
Appearance	Transparent, Black

Teroson SI 9140 is a gun-grade, solvent free, one-component sealant based on neutral curing silicone rubber which cures by reaction with moisture to a soft 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 SI 9140 exhibits the following properties:

- neutral curing
- mild odour, after curing odourless
- good adhesion to many substrates without primer
- sag resistant
- good ageing and UV resistance

Application Areas:

Teroson SI 9140 is a multi-purpose sealant and is used for the following applications:

- sealing of Joints
- sealing of leaks
- as a rubber-like gasket

TECHNICAL DATA

Component A, density, transparent, g/cm ³ :	approx. 1.02
Component A, density, black, g/cm ³ :	approx. 1.50
Consistency:	pasty
Curing mechanism:	humidity curing
Curing system:	neutral curing (alcoxy)
Cure rate (per 24h)*:	approx. 2 mm/24 h
Shore-A-hardness (DIN 53505):	approx. 18 (transparent) approx. 30 (black)
Paintability:	cannot be painted
Application temperature, °C:	Transparent = -40 to 120 Black = -40 to 150
*ISO 291 standard climate:	23°C, 50 % relative air humidity

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 surfaces to be sealed must be dry, free of oil, dust, grease and other contaminants. For cleaning we recommend Teroson VR 20. Teroson SI 9140 demonstrates good adhesion to the following substrates: anodised Aluminium, glass, wood (varnished and painted), rigid PVC, Polyester, primed and painted sheet metal. All substrates not named above should be tested before application.

Application:

Application from 310 ml cartridges is made with the Teroson Hand or Air Pressure Pistols. In the case of compressed air application a pressure of 2 to 5 bar is required, depending on nozzle aperture and speed of application. When applying Teroson SI 9140 in closed rooms ensure good ventilation during the curing process.

CLEANING

Uncured or not fully cured Teroson SI 9140 can first be removed by a knife or spatula. The remaining layer can be washed off with Teroson VR 40 or similar products. Fully cured sealant can only be removed mechanically by means of a suitable tool (e.g. sharp blade) or by burning off, for the product is insoluble in all common solvents.

Smoothing

If smoothing of the bead is necessary this has to be done within the skin formation time. Teroson SI 9140 can be smoothed with soapy water. Where joint edges have been masked the masking tape has to be removed immediately to avoid tearing of the fresh forming skin.

STORAGE

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

DIRECTIONS OF USE

ADDITIONAL INFORMATION

Disclaimer:

Note:

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.

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Reference 1

