



Terostat-9140

Viscous, Gun-Grade One Component Sealant
 for Multipurpose Application
 Neutral Curing

Basis: Silicone Rubber

Status: 2000-08-01

Product Description

Terostat-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.

Terostat-9100 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

Terostat-9140 is a multipurpose sealant and is used for the following main applications:

- sealing of joints
- sealing of leaks
- as a rubber-like gasket.

Technical Data

Colour:	transparent, black
Odour:	after curing odourless
Consistency:	paste
Curing system:	neutral curing (alkoxy)
Curing mechanism:	humidity curing
Density:	approx. 1.02 g/cm ³ (transparent) approx. 1.50 g/cm ³ (black)
Skin formation time:	5–10 mins
(DIN 50014 standard climate:	23°C, 50 % rh)
Cure rate:	approx. 2 mm/24 h
(DIN 50014 standard climate:	23°C, 50 % rh)
Shore-A-hardness (DIN 53505):	18 (transparent) 30 (black)
Paintability:	cannot be painted
Application temperature:	5°C to 40°C
In service temperature range:	-40°C to 200°C *
Short exposure (up to 3 hr.):	220°C

Adhesion

Terostat-9140 adheres to the following substrates: anodised aluminium, glass, wood (painted or varnished), rigid PVC, UP fiber reinforced, steel sheet (primed or painted). In spite of the good adhesion of the sealant we recommend the use of Primer-136 for aluminium, rigid PVC and UP fiber reinforced.

Concerning substrates not mentioned above we recommend pretrials.

Preliminary remark

Prior to application it is necessary to read the 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.

Pretreatment

The surfaces to be sealed must be dry, free of oil, dust, grease and other contaminants. For cleaning we recommend Cleaner-FL of the Teroson range.

Terostat-9140 demonstrates good adhesion to the following substrates: anodised aluminium, glass, wood (varnished and painted), rigid PVC, polyester, primed and painted sheet metal. Despite its good adhesion use of Primer-136 is recommended for aluminium, rigid PVC and polyester.

All substrates not named above are due to trials before application.

Application

Terostat-9140 can be directly applied from cartridges employing standard air or hand operated guns resp. the Mini-Snap Pistol. Teroson recommends the use of

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|-------------------------------|-------------------|
| – Teleskop Pistol Power-Line | Art.-No. 141.84 S |
| – Teleskop-Pistol Multi-Press | Art.-No. 195.51 B |
| – Teroson-Hand Pistol 340 | Art. No. 121.39 V |
| – Staku Hand Pressure Pistol | Art.-No. 167.65 Y |
| – Mini-Snap Pistol | Art.-No. 101.55 N |

In the case of compressed air application a pressure of 2–5 bar is required, depending on nozzle aperture and application speed. When applying Terostat-9140 in closed rooms, it is important to ventilate well during the curing process.

Smoothing

If smoothing of the bead is necessary this has to be done within skin formation time, i.e. 5–10 minutes. Terostat-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.

Cleaning

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

Storage

Frost-sensitive	no
Recommended storage temp.	10°C to 20°C
Shelf-life	12 months

Packaging

Cartridge (Mini-snap)	80 ml (black)	Art.-No. 139.92 J (D/GB/F/NL)
Cartridge (Mini-snap)	80 ml (trans.)	Art.-No. 140.35 F (D/GB/F/NL)
Cartridge	310 ml (black)	Art.-No. 140.04 X (D/GB/F/NL)
Cartridge	310 ml (trans.)	Art.-No. 140.08 B (D/GB/F/NL)

**Hazard Indications/
Safety Recommendations/
Transport Regulations**

see Safety Data Sheet

Important

The above data, particularly the recommendations for application and use of our products are based on our knowledge and experience. Due to different materials and conditions of application which are beyond our knowledge and control we recommend strongly to carry out sufficient tests in order to ensure that our products are suitable for the intended processes and applications. Except for wilful acts any liability based on such recommendations or any oral advice is hereby expressly excluded.

This Technical Data Sheet supersedes all previous editions.

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