

**TEROSON SE 108^{XLT}**

August 21

Highly elastic, neutrally cross-linking window silicone for sealing structural, movement and connection joints

PROPERTIES

- 100 % oxime- and MEKO-free
- Excellent workability, smoothability and moldability
- Fungicidal effect
- Resistant to ageing and weathering
- Lightfast and UV-resistant
- Can be used down to -5 °C
- Almost no stringing; compatible with paints (acc. to DIN 52452-4, test methods A1 + A2)
- Neutral odour after curing (VOC emission class A+)

POSSIBLE USES

- Sealing of structural and connection joints (DIN EN 15651-1: Sealants for facade elements)
- Glass sealing in wooden windows (DIN EN 15651-2: Sealants for glazing)
- Sealing of structural joints (DIN EN ISO 11600: Jointing products in building construction, types F-25LM and G-25LM)
- Suitable for sealing joints in building construction in compliance with DIN 18540
- Meets the requirements of IVD Instruction Sheet No. 9/2014
- Suitable for indirect food contact applications (according to FDA 21 CFR 177.2600)
- Sealing joints in sanitary facilities (DIN EN 15651-3: Sealants for sanitary joints)
- Tested for applications in cleanrooms (DIN EN ISO 846)
- Tested for applications in cold rooms: suitable for use in ventilation and air-conditioning systems acc. to VDI 6022, Sheet 1; tested acc. to DIN EN ISO 846 by the Ruhr District Institute of Hygiene
- Resistant to disinfectants (DIN EN ISO 4628-1)

Not suitable for use on PE, PP, EPDM, PTFE, PMMA (plexi-glass), lead and natural stone

SUBSTRATE PREPARATION

The surfaces to be bonded/joint edges must be clean, dry and free of grease. TEROSON SE 108^{XLT} adheres without primer on substrates such as glass, anodized aluminium, wood, varnished/painted wood (also dispersion-based products), tiles, sanitaryware.

Mineral substrates and primed steel should be pre-treated with TEROSON PR PRIMER P800 to ensure optimum adhesion of the sealant.

**APPLICATION**

TEROSON SE 108^{XLT} is a gunnable, neutrally curing 1-component sealant that is applied by means of a hand or compressed air gun. When using compressed air, a pressure of 2 to 5 bars is required, depending on nozzle diameter and application speed. Smoothing – if required – must be carried out before skin formation, i.e. within 5 to 15 minutes.

We recommend masking the edges of larger connection and movement joints with adhesive tape before applying the sealant. To avoid 3-sided adhesion of the sealant and determine the cross-section of the joint, it is necessary to use a closed-cell PE round cord (so-called backer rod) as backfill material. Make sure to fill the joints without voids or air pockets.

Immediately after application, smooth the sealant over with a suitable tool. To facilitate application, the sealant or tool can be lightly sprayed with smoothing agent (max. 5 % soap solution) before skimming off the sealant. The freshly filled joint must be protected against washout caused by rainwater. Remove the adhesive tapes directly after smoothing. Immediately smooth over any raised sealant edges.

TEROSON SE 108^{XLT} should not be applied below -5 °C and not above +40 °C (air/substrate). The joints should be designed and sealed according to the instructions of IVD Sheets no. 3 and 9.

PLEASE NOTE

For connection joints, we recommend a minimum joint size of 6 x 6 mm. We also recommend following the relevant standards and technical guidelines, depending on the respective application.

It is necessary to test the compatibility of TEROSON SE 108^{XL}T with other sealants, especially when renovating joints. Alkyd resin varnishes or paints cause staining of the sealant.

WINDOW SEALING

When sealing the glazing joints of windows, window walls and doors, the sealants used must carry the CE marking and meet the requirements of DIN EN 15651-2 "Sealants for glazing". In addition, they must comply with the Guideline "Glazing of wood windows without the use of glazing tape" (Institut für Fenstertechnik e.V., Rosenheim/Germany). The brochure "Beanspruchungsgruppen zur Verglasung von Fenstern", published by ift Rosenheim, contains tables for determining and classifying the loads for the glazing of windows when using sealants.

CLEANING

Immediately remove excess sealant or stains with a wet cloth or spirit. After curing, the sealant can only be removed mechanically.

STORAGE

Store TEROSON SE 108^{XL}T in a cool and dry place, preferably between +5 °C and +25 °C.

Shelf life: 18 months

DISPOSAL

Only return the completely emptied packaging to a waste recycling centre. Dispose of hardened product residues as household-type industrial waste or construction site waste. Non-hardened product residues must be taken to a collection point for hazardous waste.

European Waste Code (EWC): 080410

TECHNICAL DATA

TEROSON SE 108^{XL}T

Material base:	Ester-based silicone (neutral curing)
Consistency:	Pasty, thixotropic
Colours:	White / transparent
Odour:	Neutral odour after curing
Packaging:	300 ml in a PE cartridge 600 ml in a tubular bag
Skin formation time: (ISO 2091 at 23 °C and 50 % RH)	Approx. 15 to 20 min
Curing rate: (at 23 °C and 50 % RH)	2 to 3 mm/24 h
Movement capability:	25 %
Elongation at break: (acc. to ISO 8339-A)	250 % / 350 %
Modulus at 100% elongation: (acc. to DIN EN 8339-A)	0.3 MPa / 0.35 MPa
Volume change: (acc. to DIN 52451)	24 %
Joint width:	10 to 30 mm
Paint compatibility: (acc. to DIN EN 52452-4)	provided*
Paint adhesion:	provided
Application temperature:	-5 °C to +40 °C
Temperature resistance:	-50 °C to +150 °C
Fire resistance: (acc. to DIN EN 13501-1)	Class E
DIN EN 15651-1:	F-EXT-INT, class F-25LM
DIN EN 15651-2:	Product type G, class G-25LM
DIN EN 15651-3:	Product type S
DIN EN ISO 11600	Class F-25LM & G-25LM

**with sealant-compatible paints*

CERTIFICATES



DIN – EN 15651
1 – Facade
2 – Glazing
3 – Sanitary



Apart from the information given in this Technical Data Sheet it is also important to observe the relevant guidelines and regulations of various organizations and trade associations as well as the applicable national standards. All data given was obtained at an ambient and material temperature of +23°C and 50% relative humidity unless specified otherwise. Please note that in other climatic conditions hardening may be accelerated or delayed and take the resulting consequences into account.

The above information, in particular proposals for the handling, application and use of our products, is based on our knowledge and experience. As materials and conditions may vary with each intended application and thus are beyond our influence, we strongly recommend that in each case the user conducts sufficient tests to ensure our products are suitable for the intended application method and use. Legal liability cannot be accepted, either based on the content of this data sheet or any verbal advice given, unless there is evidence of carelessness or gross negligence on the manufacturer's part. This Technical Data Sheet supersedes all previous issues.

Please refer to our Safety Data Sheet for hazard warnings, safety advice and information on transport labelling.