TEROSON

Technical Data Sheet

TEROSON SE 139

August 21

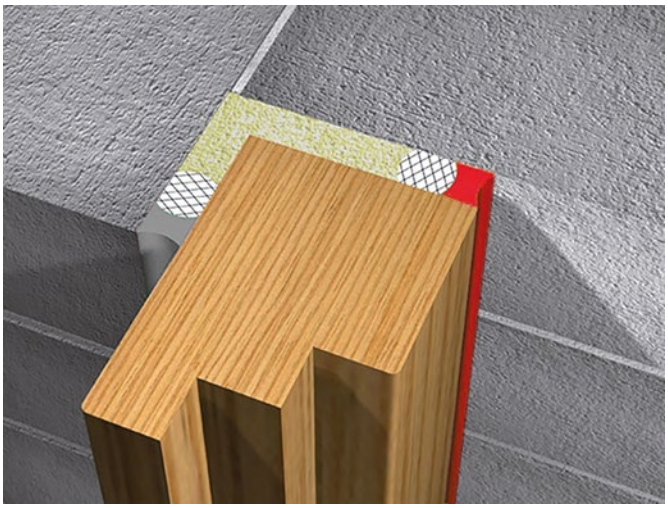
Elastic acrylic sealant for sealing structural and connection joints – indoor and outdoor use

PROPERTIES

- Flame-retardant (B-s1, d0 in acc. with DIN EN 13501)
- Permanently elastic, max. movement accommodation 25 % (according to IVD Instruction Sheet No. 2)
- Meets the requirements of IVD Instruction Sheet No.9: "Gunnable sealants for the connection joints of windows"
- Quickly rainproof
- Adheres without primer also on damp, absorbent substrates
- Compatible with all kinds of paints
- Self-adhesive on most common building materials
- Resistant to ageing and weathering
- Phthalate free and EMICODE EC 1 Plus certified
- Available on request: Product and manufacturer's declarations according to DGNB, LEED and BREEAM

POSSIBLE USES

- For sealing joints on facade elements – indoors and outdoors (complies with DIN EN 15651-1, sealant type F-EXT-INT)
- For sealing structural and connection joints on facade elements, windows and exterior doors



SUBSTRATE PREPARATION

The surfaces to be bonded/joint edges must be clean, dry and free of grease. TEROSON SE 139 adheres without primer on substrates such as anodized and powder-coated aluminium, concrete, gas concrete, aerated concrete, varnished wood (closed-pore or open-pore), brickwork and rigid PVC. Old sealants and other residues must be completely removed. Highly absorbent substrates must be pre-wetted with water. However, the bonding surfaces must not be covered with a water film.

APPLICATION

TEROSON SE 139 is a gunnable, physically drying 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. Uneven areas can be smoothed over with a trowel, paint brush or jointing iron after slightly moistening the tool or sealant surface with water.

We recommend masking the joint edges with a self-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. Remove the adhesive tapes directly after smoothing. Immediately smooth over any raised sealant edges. The joints should be designed and sealed according to the instructions of IVD Sheet no. 9.

PLEASE NOTE

For connection joints subject to slight movement, we recommend a minimum joint size of 5 x 5 mm. For movement joints subject to a maximum deformation of 25 % (of the joint width), we recommend a minimum joint size of 6 x 6 mm. TEROSON SE 139 is not suitable for sealing underwater joints and joints constantly exposed to water (e.g. joints in sanitary facilities, floor joints in outdoor areas). The sealant can be painted over if the requirements of DIN 52452-4, § 7 are met.

CLEANING

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

TEROSON

TECHNICAL DATA

TEROSON SE 139

Material base:	Acrylic dispersion
Consistency:	Paste-like
Colour:	White
Odour:	Odourless after curing
Packaging:	300 ml in a PE cartridge 400 ml in a tubular bag 600 ml in a tubular bag
Skin formation time: (ISO 2091 / at 23 °C and 50 % RH)	Approx. 20 min
Curing rate: (at 23 °C and 50 % RH)	0.5 mm/24 h
Movement capability:	25 %
Elongation at break: (acc. to ISO 8339-A)	300 to 600 %
Modulus at 100% elongation: (acc. to DIN EN 8339-A)	Approx. 0.1 MPa
Volume change: (acc. to DIN 52451)	24 %
Joint widths:	5 to 30 mm
Paint compatibility: (acc. to DIN EN 52452-4)	provided*
Paint adhesion:	provided
Application temperature:	+5 °C to +40 °C
Temperature resistance:	-20 °C to +80 °C
Fire resistance: (acc. to DIN EN 13501-1)	Class B-s1, d0 (Flame-retardant)
Gap-bridging:	yes
Sandable:	yes
DIN EN 15651-1 / Facade:	Product Type F-EXT-INT

**with sealant-compatible paints*

SUSTAINABLE BUILDING

On request, product and manufacturer's declarations for sustainable building can be made available. The documents meet the requirements of common certification and assessment systems such as DGNB, LEED and BREEAM.

TEROSON SE 139 is subject to frost damage and must therefore not be stored below +5 °C. Best storage temperature: 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

CERTIFICATES

GEV-EMICODE EC 1 PLUS very low emission

WINTeQ System
Institute-tested quality by Teroson

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