

TECHNICAL DATASHEET

STALOC FLEXEAL

Polymeric sealant black / white / grey and other colours on request

PRODUCT DESCRIPTION

STALOC FLEXEAL is a neutral high performance sealant on a polymeric basis with an excellent adhesion for an industrial usage.

STALOC FLEXEAL is a low emission sealant based on Silyl Modified Polymer (SMP).

PRODUCT FEATURES

- Solvent-, isocyanate-, phthalate, silicone- and PVC-free
- Very good resistance against UV-radiation, salt water, mildew, chlorine and ageing
- Permanently elastic within temperatures from -40°C till +90°C
- Perfectly suitable for bonding natural stone (does not leave residues or area pollution)
- Neutral and odourless
- Paint compatible with most industrial paint- or lacquer systems, both alkyd resin and dispersion based (due to the large scale of different types of industrial paints a paint compatibility test is recommended)
- Paintable after skin forming (wet on wet); this will not influence the curing speed
- Verarbeitungstemperatur: mindestens +5 °C. maximal +40 °C.

AREAS OF APPLICATION

- Elastic sealings in e.g. bus-, caravan-, train- and truck construction
- Sealing of roofs on busses, trains, trucks
- Sealing welded seams
- Bonds stone (not porous), cement, mirror, natural stone, cast, polycarbonate, PSPU, PVC, several synthetic materials, ceramic flags, enamel, copper, lead, zinc, aluminium, stainless steel, painted surfaces, wood, glass, polystyrene, etc.

Before applying STALOC FLEXEAL we recommend to use STALOC Assembly Cleaner for surface preparation.

Apply on clean, grease-and dust-free surface, without a primer. Excellent adhesion can be obtained on powder coated surfaces, metals, glass, mirrors, ceramics, non-porous surfaces in general and various plastics. The broad variety of applications of STALOC FLEXEAL makes it necessary to determine adhesion between various substrates by experiment.

- Substrate temperature for bonding process: between +5°C and +60°C.
- Application temperature: between +5°C and +40°C.

Not suitable for bonding PE, PP, Teflon (PTFE) and bitumen-substrates. Not suitable for direct contact with PVB-layers. Might show yellowing effect in dark surroundings.

TECHNICAL ATTRIBUTES

| ATTRIBUTE | UNIT | SPECIFICATION |
|---|------|---|
| chemical basis | | silyl modified polymer (SMP) |
| consistency | | thixotropic |
| colour | | black / white / grey and other colours on request |
| hardening in 24 h | mm | ~2 to 3 |
| skin forming time | mm | after ~35 min. |
| shore hardness A (DIN 53505) | | 42 |
| elongation at brake (DIN 53504) | | 400% |
| e-modul at 100 % elongation (DIN 53505) | MPa | 0,85 MPa |
| tensile strength (DIN 53504) | MPa | 1,50 MPa |

| | | |
|-------------------------------------|-------------------|--|
| MZV (ISO 9040) | | 25% |
| shrinkage | | non |
| density | kg/m ³ | 1.49 |
| storage ability at room temperature | Monate | 12 |
| save against froozing | | up to -15°C |
| certificates | | EN 15651-1 F EXT - INT EN 15651-4 PW EXT – INT SNJF EC1 |

SAFETY INFORMATION

Please send your request for the latest version of the material safety data sheet (MSDS).

PACKAGING / VOLUME

290 ml cartridges

600 ml sausages

Hobbocks and drums on request

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