

TECHNICAL DATASHEET

## STALOC MS HYBRID

black / white / grey / glassclear (transparent) / brown and beige on request

### PRODUCT DESCRIPTION

STALOC MS Hybrid combines the performance of an adhesive and a sealant. STALOC MS Hybrid is suitable for making elastic constructive joints, which require a high strength.

STALOC MS Hybrid is based on Silyl Modified Polymer (SMP).

### PRODUCT FEATURES

- Solvent-, isocyanate-, silicone- and PVC-free
- Very good resistance against UV-radiation, salt water, mildew, chlorine and ageing
- Permanently elastic within temperatures from -40°C till +100°C
- Perfectly suitable for bonding natural stone (does not leave residues or area pollution)
- Neutral, odourless and fast curing
- 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
- Can be used for bonding and sealing of safety glass (burglar-proof glass)

### AREAS OF APPLICATION

- Elastic bondings and sealings in e.g. bus-, caravan-, train- and truck construction
- Bonding and sealing of sunroof systems
- Bonding of roofs on busses, trains, trucks
- Bonding of corner profiles of aluminium or polyester on trailers
- Bonding of polyester parts on metal frames
- Bonding of floor systems
- Sealing welded seams
- Bondes 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 MS Hybrid 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 MS Hybrid 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	
COLORS	UNIT	black / grey / white / brown / beige	glassclear (transparent)
Curing in 24 hours	mm	3,0	2,0
skin forming time	mm	after ~ 10-15 min.	after ~ 10-15 min.
shore A Hardness (DIN 53505)		60	45
elongation at break (DIN 535304)		250%	250%
100 % Modulus (DIN 53505)	MPa	1.7 MPa	1,0 MPa
tensile strength (DIN 53504)	MPa	2.20 MPa	2,20 MPa
MZV (ISO 9040)		25%	25%
shrinkage	%	none	none
density at +25°C	kg/m <sup>2</sup>	1,532	1,060
shelf life at +25°C	months	18	12

## SAFETY INFORMATION

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

## PACKAGING / VOLUME

290 ml per cartridge / 20 pcs. per box

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