

TECHNICAL DATASHEET

STALOC HPFLEX PLUS CONSTRUCTION ADHESIVE

PRODUCT DESCRIPTION

STALOC HPFLEX PLUS construction adhesive is a revolutionary adhesive with excellent elongation properties and curing speed. It is suitable for all bonding processes that require a result with high performance and reliability, even under challenging circumstances. The special composition of the product and the high temperature resistance allow for powder coating of the adhesive bond.

This ensures, that the product is perfectly suitable for the automotive industry, engineering and construction as well as assembly processes. The product characteristics ensure that the product is perfectly suitable for metal-, glass- and storefront construction, the marine industry as well as the assembly of facilities for green energy (solar energy plants and wind power stations).

Due to its high viscosity and density the STALOC HPFLEX PLUS construction adhesive is used also for bonding windscreens in the automotive industry.

STALOC HPFLEX PLUS construction adhesive has an extremely high initial grab.

PRODUCT CHARACTERISTICS

- impressive adhesion and high elasticity
- extremely high grab, rapid solidifying
- excellent UV- and ageing resistance
- resistant against water, saltwater, acids, bases and various oils and chemicals
- suitable for varnishing and coating
- odourless
- solvent-, isocyanate- and silicone-free

AREAS OF APPLICATION



- Flexible / sealing bonds for the construction of busses, caravans, rail and truck applications
- Bonding of composite materials
- Bonding of solar systems, sunroofs and terrace products
- Component bonding of boats, yachts and vessels
- Bonding of polyester parts onto metal structures
- Excellent adhesion to steel, stainless steel, aluminium, steel alloys, galvanized steel, painted sheet metal, various kinds of plastics, ABS, PVC, polycarbonate, glass, laminated glass, insulated glass, polyester, epoxy, vinyl ester, gel coat as well as wooden substrates (e.g. teak). No grinding or primer necessary.

Before applying STALOC HPFLEX construction adhesive 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 HPFLEX construction adhesive 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 +35°C.

Not suitable for bonding PE, PP, Teflon (PTFE) and bitumen-substrates.

TECHNICAL ATTRIBUTES

ATTRIBUTE	UNIT	SPECIFICATION
chemical basis		silyl modified polymer (SMP)
colors		black
cure speed	24h	~3 mm
skin forming time	mm	about 15 min.
shore A hardness (DIN 53505)		65 Shore A
elongation (ISO 527-1A)		200 - 250%
tensile strength (ISO 527-1A)	MPa	2,8 MPa
MZV (ISO 9040)		25%
shrinkage		1%
density	kg/m ²	1.54
shelf life	months	18
temperature resistance		-40°C to +100°C
application temperature		+5°C bis +35°C

SAFETY INFORMATION

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

PACKAGING / VOLUME

290ml cartridge –12 pcs. per box
600 ml sausage – 12 pcs per box

The information and data in this document are for information purposes only. STALOC cannot take responsibility for the results obtained by a third party, whose methods are not under STALOC control. The determination of the suitability for the user's purpose of any STALOC product is the responsibility of the client. Consequently, STALOC recommends testing of the products before using it for a series application. Moreover, it is the responsibility of the customer to ensure a safe environment for the user. STALOC therefore disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of STALOC products. STALOC cannot be held liable for any consequential or incidental damage resulting from the use of a STALOC product, including lost profits or damages of any other kind. Products or processes mentioned herein might be subject to released or pending patents or licences.

Issued: 24.01.2013



Anruf STALOC



www.staloc.com

