

Technische Informations

Product : **Tikalflex TLB Flex**
Date : **12 / 2025** (all older versions are non valid)

Description

Tikalflex TLB Flex is a flexible, one-part, paste like neutral cure SMX Hybrid Polymer adhesive. specially designed to glue Teakwood, Panels, Cork or synthetic Teakdecks to ship decks surface (CFK, steel, aluminium, wood). TLB Flex is odourless and free of solvents as well as isocyanates. TLB Flex cures when exposed to air humidity forming a tough, flexible bubble free seal.

Typical Benefits

- Very long open time, up to 45 min
- Very good adherence to teak, cork, PVC or other woods
- Very good adherence to CFK, metal and wood
- No primer needed

Limitations

PP, PE, Teflon as well as bitumen undergrounds

The substrates should be vapor diffusion-proof, especially if diffusion-proof coverings, e.g. made of soft PVC, are glued on. A migration of plasticizer from soft PVC coverings into the TLB Flex can damage it and reduce the adhesion.

Application Preparation

Underground and surfaces must be clean, solid, free of grease. All surfaces must be dry, slight surface-moisture means no problem for cure of the material.

Under larger areas of a diffusion-proof decking, the surface should be slightly moistened in order to achieve an even curing.

Packaging / Colour

Black
12 x Sausage of 600 ml

Certification / Testing

Several in house tests



Typical Properties

General		
Chem. Base		MS Hybrid Polymer
Application temperature		10 ° C bis 35° C
Dense		1,7 g / ml
Skintime	23°C / 55 % RF	45 min
Curing within 24 h	23°C / 55 % RF	2 mm
Can be loaded after		15 h
Shelflife when stored at 5°C to 25 °C		18 Month
Temperature after cure		-30°C bis + 90° C
Durometer Hardness, Shore A	2 mm DIN 53505	55
Shearstrength	DIN 14293	1,4 N / mm ²
Ultimate Tensile Strength (max elong)	DIN EN ISI 527-3	2,0 N / mm ²
Max. strain	DIN EN ISO 527-3	150 %
Minimum layer thickness		>1,5 mm

Disclaimer

The information contained in this data sheet is empirical or based on laboratory testing and is not intended for design purposes.

Tikal Marine Systems GmbH makes no representations or warranties of any kind concerning these data. Tikal Marine Systems GmbH assumes neither responsibility nor liability for results obtained by the end-user where Tikal Marine Systems GmbH has no control over variables of storage, substrates, surface preparation, temperature, handling, and application **if Tikal Marine Systems GmbH did not gave a Letter of guarantee. For letter of guarantee see www.tikal-online.de/teakdeck**

Users are responsible for making their own tests and evaluation of this product when not following the TIKAL MARINE SYSTEMS GMBH regulations.

Caution - Safety

Direct contact of uncured sealant irritates eyes and may irritate skin.
Overexposure to vapor may irritate eyes, nose and throat.
Do not handle contact lenses with sealant on hands.

MSDS can be found at www.tikal-online.de
\ Products \ Teakdeck \ TLB Flex in the download section