Technical Informationen

Product : **Tikalflex TBJ 30**
Date : **02/2026** All older editions are invalid upon publication of this one.)

Product description

TBJ 30 is an extremely UV-resistant, stable sealant based on SMP.
It is ideally suited for open connection joints, movement joints, and teak edge joints. TBJ 30 is also highly suitable as a window sealant for wood, metal, glass, and most plastic glazed windows (PC,PMMA).
TBJ 30 adheres very well, without primer, to metals, powder-coated, painted, galvanized, anodized, chromated, or hot-dip galvanized surfaces, various plastics, ceramics, natural stone, glass, and wood.

- High elasticity, good mechanical strength
- Long open time
- Solvent-, isocyanate-, and silicone-free
- Low odor, very low emissions
- Extremely UV-resistant
- Very broad adhesion spectrum
- Sandable and overpaintable
- No primer required

Application

For maximum adhesion, a dry, clean, grease-free, and structurally bonding surface is required.
On smooth, non-absorbent substrates, pre-cleaning with cleaning alcohol or isopropanol is recommended.
Porous surfaces may need to be sanded, dusted, and cleaned. TBJ 30 can be overpainted after complete curing.

Restrictions for applications

It is advisable to perform an adhesion and compatibility test on each substrate first.
Overpainting with alkyd resin varnishes can lead to massive drying delays.
Some plastics, such as PE, PP, PTFE, and POM, as well as bituminous substrates, are not suitable for bonding.
Due to the variety of plastics that are prone to stress-cracking or that are unsuitable for bonding, preliminary tests are strongly recommended.

Chemical Resistance

Good resistance to water, aliphatic solvents, oils, fats, dilute inorganic acids and alkalis.
Moderate resistance to esters, ketones, and aromatics.
Not resistant to concentrated acids and chlorinated hydrocarbons

Colours / Packaging

Black – Grey – White
12 x alu foils of 600 ml

Certificates

Meets the following requirements:
EMICODE EC1Plus
IMO FTPC Parts 2+5

Technical data

Content	Description	Data
Chem. Basis		Silan modified Polymer
Application temperature		5 ° C bis 40° C
Density		1,48 g / ml
Skin formation	23°C / 55 %	15 min
Curingspeed 24h	23°C / 55 %	2,5 mm
		20 %
Elastic recovery	ISO 7389	>60%
Shelflife		18 Month
Temperature resistance		-40 °C → 90 °C
Shore A	2 mm DIN 53505	32
Max. tension	DIN EN ISI 527-3	1,6 N/mm²
Elongation at break	DIN EN ISO 527-3	> 600 %
Layer thickness		>1 mm < 6 mm
UV resistance		Very high

Warranty / Liability

Tikal Marine Systems GmbH guarantees that all products conform to specifications within the minimum shelf-life indicated. All technical information and processing information are based on our experience and our tests. The user is responsible for the sizing and choice of the adhesive joint. We are not liable for consequential damage during application. The user is responsible for controlling the suitability of the material for the planned application.

Safety notices

A safety datasheet can be accessed under www.tikal-online.de in the download section.