

Technical Informationen

Product : **Tikalflex PCW14**
Date : **12/2021**

Product description

PCW14 is a high-quality sealant for all types of windows and panes made of polycarbonate, acrylic or glass.

It's a neutral, low modulus, one compound, extremely UV-resistant, very durable marine grade silicone.

It is low-odour, free of isocyanates and solvents and hardens under the influence of humidity to form a permanently elastic mass.

PCW14 cannot be painted over and is very colour-fast.

PCW14 does not cause stress cracks on prestressed acrylic glass (Plexiglas) and polycarbonate (Makrolon, Lexan).

Application

It is applied to wood, metal and GRP without a primer. PCW14

Adhesive surfaces must be clean, flat and free of grease. All joints shall be at least 4 mm width and min. 6 mm deep.

Recommended joint configuration for joints subjected to shear: depth = width (min 5 mm).

Restrictions for applications

There is no adhesion on PE, PP, PTFE and bituminous substrates.

Contact with bitumen, tar or other plasticizer releasing materials shall be avoided.

Not suitable for bonding aquariums.

Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in color does not affect the technical properties of the product.

We recommend a preliminary adhesion and compatibility test on every surface.

Colours / Packaging

Black
12 x cartridges of 300 ml

Certificates

PCW14 has been tested and approved for processing with PLEXIGLAS-XT and has passed the IMO MareED test.

MarED, IMO 

Technical data

Content	Description	Data
Chem. Basis		Polysiloxane
Application temperature		5 ° C bis 35° C
Density		1,03 g / ml
Skin formation	23°C / 55 %	15 min
Curing speed 24h	23°C / 55 %	2 mm
Elastic recovery	ISO 7389	>80%
Shelflife		12 Month
Temperature resistance		-40 °C → 180 °C
Shore A	2 mm DIN 53505	20
Max. tension	ISO 37	1,5 N/mm ²
Elongation at break	DIN EN ISO 527-3	> 600 %

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.