

Technical Information

Product : **TIKALFLEX Contact 12**
Version : **01 / 2022** (This document supercedes all older versions.)

Product description

Tikalflex Contact 12 is a high-quality, single-component, weatherproof MS polymer-based adhesive and sealant. The product is neutral, virtually odour-free and contains no isocyanates or solvents.

Contact 12 hardens under the influence of humidity to a permanently elastic compound.

Application

Contact 12 can be used on yachts, in construction or in caravans for most joints, whether interior or exterior. Contact 12 is suitable for most applications in shipbuilding.

Contact 12 adheres in general to smooth surfaces, such as glass, metal, GRP, carbon, polystyrene and wood without primer.

For bonding of windows (glass, PC,Acryl) we recommend our **PCW14** sealant.

Contact 12 is well sandable and can be varnished.

Applying alkyd resin varnishes as top coat significantly prolongs the drying of the varnish.

Seals in contact with Diesel: Contact 12 is significantly softened by permanent exposure to Diesel. Nevertheless, the adhesive capability and sealing capacity were evaluated as good in endurance tests. Consequently, use in a Diesel environment is possible in spite of the low Shore hardness.

Contact 12 allows good processing under water or in a humid environment.

Application restrictions

PP, PE, POM, Teflon and bituminous substrates

These substrates are not suited for bonding with Contact 12 or other products of the Tikalflex series.

Not approved for **structural separation joints** in buildings.

Pre-treatment and post-treatment

Adhesive surfaces must be clean, flat and free of grease.

To smooth joints use **TIKAL Jointtool** or smooth with the finger, using an aqueous solution of off-the-shelf detergent (5%). Clean in fresh condition with Tikal Cleaner "C" or cleaning wipes "C".

Machine cleaning is possible in the hardened state.

Colours / Packaging

Colours : black, white, grey

290 ml cartridges	12 pieces per box
600 ml sausages	12 pcs per box

Certifications / Testing

- Various in-house tests (chemical resistance, technical merits)
- ISEGA food product certification

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.

Technical Data

General	Remarks	Value
Chemical basis		MS polymer
Processing temperature		0° to 40°
Application rate	3 mm / 6.3 bar	150 g / min
Resistance to flow	ISO 7390	< 2 mm
Density		1.54 g / ml
Skin forming time	at 23°C / 55 % rel. humidity	15 min
Through-hardening after 24 h	at 23°C / 55 % rel. humidity	2 mm
Frost-resistant during transport down to		- 15 ° C
Shelf-life for storage at 5°C to 25 °C		18 months
Expansibility in practice		+ / - 25 %
Temperature stability following hardening		- 40°C to + 90° C
Shore A hardness (3 s)	2 mm layer DIN 53505	60
Modulus 100 %	DIN 53504	1.7 N/ mm ²
Tensile strength	DIN 53504	2.3 N / mm ²
Elongation at failure	DIN 53504	350 %

Safety notes

A safety datasheet can be accessed under www.tikal-online.de