

Torggler

Sealants

SITOL[®] DECK CAULKING S

Neutral, sandable silicone sealant for teak caulking.



- Excellent UV and ageing resistance
- Excellent chemical resistance
- Excellent workability
- Sandable after hardening



APPLICATION AREAS

- Sealing of teak seams
- Sealing of deck-hull connections
- Perimeter sealing of synthetic teak coverings

FEATURES

Sitol[®] Deck Caulking S is a high-quality, neutral cross-linking, quick-hardening, sandable, professional silicone sealant for caulking classic teak. It is also suitable for sealing between deck and synthetic teak. It hardens by reaction with moisture to form a permanently elastic mass capable of absorbing the expansion of teak planks. It has constant and permanent elasticity from -50 °C to +150 °C and excellent resistance to UV radiation, ageing in general, chemicals and salt water. It does not shrink or crumble. It is free of solvents and isocyanates: It does not require training according to Annex XVII of Regulation (EC) 1907/2006. It adheres to smooth and porous surfaces of any kind provided that they are clean, degreased, dry and compact. In the case of sealing new seams, it is recommended to treat the joint sides with Sitol[®] Primer Deck Caulking. It meets the European requirements for CE marking of sealants for pedestrian walkway applications (EN 15651-4: PW EXT-INT 20 HM).

INSTRUCTIONS FOR USE

The application temperature of both environment and materials can vary between +5 °C and +40 °C. Substrates must be solid, clean and free of oil or dust.

1. Remove excess adhesive from the seams after bonding.
2. Remove any residue with a vacuum cleaner or compressed air to bring the seams to new wood.
3. Prime the joint sides with Sitol® Primer Deck Caulking, 1 to 6 hours before sealing.
4. Extrude plenty of Sitol® Deck Caulking S, making sure it goes all the way through the seam. Avoid starts, stops or changes of direction that might include air.
5. Immediately after application, run a flexible squeegee over the seam to eliminate any gaps and improve adhesion on the sides, leaving an excess layer of rubber.
6. Allow the rubber to cross-link for at least 48 hours before cutting the sealant.
7. After hardening, sand the deck surface, flush with the deck, using 80-grit sandpaper.

Cleaning

In the plastic status of the sealant, using acetone or other solvent; after hardening, only mechanically.

TECHNICAL SPECIFICATIONS

PARAMETER AND METHOD	VALUE
Density (ISO 1183-1)	1.39 g/ml
Application temperature	+6 °C to +40 °C
Surface cross-linking time (MIT 33*)	Approx. 40 min
Hardening speed from outside to inside at 23 °C (MT 32*)	Approx. 3 mm in 24 h
Operating temperature	-50 °C to +200 °C
Surface hardness (ISO 868)	Approx. 40
Elongation at break (DIN 53504 – Die S3A)	700 %
Tensile strength at break (DIN 53504 – Die S3A)	1.0 MPa
Modulus of elasticity at 100 % (DIN 53504 – Die S3A) Die S3A)	0.6 MPa
Elongation at break (EN ISO 8339/A – M1p)	200 %
Tensile strength at break (EN ISO 8339/A – M1p)	0.7 MPa
Modulus of elasticity at 100 % (EN ISO 8339/A – M1p)	0.62 MPa
Maximum working elongation (ISO 11600)	±20 %
Odour after cross-linking	None

* Torggler Internal Methods are available on request.

Color	Black 9005, White 9016, Grey 7012, Grey 7040
Packaging	cartridge, foil bag
Packaging size	12x290 ml, 20x600 ml, 24x290 ml
Pallet	116 cardboards, 36 cardboards, 64 cardboards


CONSUMPTION

Consumption per linear metre joint cross-section 5 x 5 mm: 50 ml

STORAGE

Sitol® Deck Caulking S must be stored in a dry and cool environment. Under these conditions, storage stability is at least 12 months. Avoid humid environments and heat sources. Cartridges that are not completely used can be stored for about 3 months if closed tightly.

CERTIFICATIONS

			
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Torggler S.r.l., Via Prati Nuovi 9, I – 39020 Marleno (BZ) DoP No. 0224/23 EN 15651-4:2012 NB No. 0432			
EN 15651-4:2012 Non-structural sealant for expansion joints in floor coverings for outdoor and/or indoor use (PW-EXT/INT-CC-20 HM)			
Reaction to fire	F	EN 15651-4:2012	
Release of substances hazardous to health and the environment	NPD		
Durability	Test passed		
Water and air tightness	Volume loss		≤ 15%
	Adhesion/cohesion properties under extended conditions maintained after 28 days immersion in water.		NF – Secant modulus change ≤ 50%
	Adhesion/cohesion properties under maintained extension conditions after 28 days immersion in salt water.		NF
	Tensile properties (i.e. secant modulus) at -30 °C for cold climate areas.		≤ 0.9 MPa
	Tensile properties under extension conditions maintained at -30 °C for cold climate areas.	NF	
Tensile strength	Test passed		

The information contained in this document is reported on the basis of our experience and knowledge; therefore, any recommendations and suggestions made are without any guarantee and must be verified before using the product by those who intend to use it, who assume all responsibility that may result from its use since the conditions of use are not under our direct control. In case of doubt, it is always advisable to make preliminary tests and/or ask for the intervention of our technicians. Torggler reserves the right to modify, replace and/or delete the items, as well as to change the product data in this document without prior notice; in this case the indications given here may no longer be valid. Always refer to the latest version of the data sheet, available at www.torggler.com. Version 05.04.2023.