Teak Deck Caulk Technical Specification

DESCRIPTION:

Teak Deck Caulk is specially engineered for caulking teak decks. It has been extensively tested in laboratory and it is used to fabricate our Standard and Custom Teak Deck Panels. It is a one-part neutral fast cure sealant and adhesive that cures in the presence of atmospheric moisture to produce a durable and flexible silicone rubber.

FEATURES:

- Silicone material that is chemically stable and shows little change in physical properties after exposure to sunlight, rain, snow, ozone, temperature extremes, and weathering.
- Shows excellent adhesion to wood, fiberglass, anodized aluminum and most marine coatings
- Unmatched green strength capabilities coupled with fast skin-over and cure characteristics allowing the faster sanding and working progress
- Neutral cure silicone with a very low odor.
- A one-part ready to use material that can be applied without primer

BASIC USES:

Teak Deck Caulk can be used for:

- Shop fabrication of teak deck panels to reduce working time on board
- Custom installation on board
- Various bedding applications as it has excellent adhesion to most marine materials.

SURFACE PREPARATION:

The key to long-term caulking performance is proper preparation. The surfaces must be clean, dry, frost free, sound and free of any oils, greases, or incompatible sealers, paints or coatings that may interfere with adhesion and good joint performance. Clean surfaces using clean rags and suitable de-greasing solvent like isopropyl or denatured alcohol. Apply solvent with an absorbent cloth rag wiping off contaminants. Follow solvent use instructions including safety and handling recommendations and provide adequate ventilation, avoid breathing of vapor and prolonged skin contact. Check solvent compatibility with any substrates to be caulked such as paints. Surfaces should be cleaned of dust and debris from fabrication or job site dirt using oil and moisture free compressed air. Mechanical methods, such as router, wire brushes, grinders, etc. may be required to remove surface contamination, debris and failed sealants such as in re-caulking applications.

JOINT DESIGN:

A shallow bead of sealant will accommodate more movement than a deep bead. There is basically no need for working joints/ seams depths to exceed 1/2"or be narrower than 1/8", usually ideal seam width is 3/16".

PRIMING:

Teak Deck Caulk is engineered and formulated to obtain excellent adhesion to teak and many typical marine substrates without primer.

APPLICATION:

Cut tip of nozzle so it fits into seam. Apply caulking by pulling nozzle along seam making sure seam is completely filled.

Overfill seam slightly and immediately tool with plastic putty knife in 45 degree angle pushing caulking into seam. Do not apply too much pressure, seam should stay slightly proud. Tool before skin forms, within 4 to 8 minutes. Allow approximately 7 days for the caulk to cure. Cure time depends on temperature and humidity. Remove excess caulk with sharp chisel and sand deck with 80-grit sand paper.

CLEAN UP:

Excess sealant should be cleaned from glass, metal and plastic surfaces while still uncured using a solvent such as denatured alcohol or citrus based cleaners. Cured sealant must be removed by mechanical means such as razor knife and sanding.

Teak Deck Company

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STORAGE:

Stored in the original unopened containers at or below 90°F (32°C) **Teak Deck Caulk** has a shelf life of 18 months from the date of manufacture. For best storage stability keep the material in tightly closed containers when not in use.

WARRANTY:

Since the use and application of this product is beyond our control, there is no warranty of fitness for use or suitability for any particular purpose. In lieu of all warranties express or implied the users sole and exclusive remedy and our sole liability is limited to refund of the purchase price or replacement of any product shown to be defective. We will not be liable for incidental or consequential damages of any kind.

LIMITATIONS:

Teak Deck Caulk should not be used in the following applications:

- Surfaces that will require painting, because this silicone sealant is not paintable.
- Applications involving prolonged submersion in water.

PRECAUTIONS:

On contact, uncured sealant may irritate eyes. Avoid eye contact. **KEEP OUT OF REACH OF CHILDREN.**

PACKAGING:

10.1 fluid ounce (300 ml) cartridges, 12 cartridges in a case

COLORS:

Teak Deck Caulk is available in black, grey and white.

TECHNICAL DATA:

Teak Deck Caulk meets or exceeds the requirements of ASTM C-920-86, TT-S-00230C and TT-S-001543A

TYPICAL PROPERTIES

As Supplied

Sag or Slump	Nil
Extrusion Rate per grams / minute	300
Tack-Free Time, 77°F, 50% RH.	<10 min
Tooling Time	4 to 8 min

As Cured

Complete curing may take up to 3 weeks depending of temperature and humidity

Durometer Hardness, Shore A	35
Ultimate Tensile Strength	355 psi
Elongation (colors)	350%
Modulus @ 100%	145 psi
Dynamic Joint Movement	No change
Weatherability, 10,000 hours QUV weatherometer	+/- 25%

TEAK DECK COMPANY ™ fabricates and sells ready to install teak decking and flooring products for boat owners, manufacturers and professional installers.

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