



# Deck Caulk

Deck Caulk is a one component, non-corrosive, high quality fast curing premium AST polymer sealant designed for marine applications where UV, extreme weather, long time fresh & salt water resistance and waterproof properties are required. It is especially developed for waterproof sealing of teak wood decks in nautical applications.

## Advantages:

- Chemically resistant to fresh water, salt water and diluted acids,
- UV, ageing, moisture and extreme weather resistance
- Eco-friendly, free from isocyanate, solvent, acids and halogens,
- Highly elastic in low and high temperatures,
- Excellent primerless adhesion to numerous porous and non-porous substrates,
- Sandable after curing,
- Fast curing, low odor and non-sag properties.

## Usage Areas:

- Deck Caulk is designed for sealing of connection joints between teak decks and variety of decking substrates,
- Outstanding primerless adhesion on joining elements made from wood, concrete, plastic, steel, aluminum, zinc, copper, porcelain, ceramics, PVC, metals,

polyester, polycarbonate, natural stone, marble, mirror, glass and porous surfaces.

- If using for the first time a preliminary test is recommended for plastics before application,

## How to use:

- Ensure that surfaces to be sealed are clean, dry and grease free.
- The application temperature must be between +5°C (41 F) and +35°C (95 F).
- In order to reduce the deformations of the joints, their depth must be much less than their width, minimum dimensions are 0,2x0,2 in, for wider joints the depth should be preferably half of the width and it is adjusted by the use of a backup material.
- Cut the nozzle at 45° to required joint width and apply using a good quality hand operated gun.
- After ensuring the joint gaps are thoroughly clean, a bond breaking tape must be applied to the bottom of the recess to prevent three sided adhesions.
- Ensure the caulking is applied firmly from the bottom of the joint upwards to prevent air bubbles.
- After application, the overfilled residue is removed with a spatula within 10 minutes.
- If necessary, the slight residue left may be sanded/grinded down afterwards.



- Allow 48 hours before commencing sanding.
- Sand along the joint length in the direction of the teak grain using 120 to 240 grit abrasive paper working from coarsest (120) to smoothest (240).
- Excess uncured sealant may be cleaned with solvent. Cured sealant can be removed barely mechanically.
- 0,2in. joint depth is recommended for joint widths between 0,2in to 0,5in.
- Joint width and depth ratio should be about 2:1.

#### Consumption (approx.):

Joint Width	0,2in	0,4in	0,5in
Joint Depth	0,2in	0,2in	0,2in
Efficiency	26ft / 9,8oz	16ft	13ft

#### Limitations:

- It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- It is always the user's responsibility to determine the suitability of use. If in doubt, make a trial application.
- Avoid application below +41°F and above +104°F.
- Remove any old adhesive before application.
- Do not use on surfaces that bleeds oils and plasticizers.

#### Safety:

Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Store in a well-ventilated place. Keep cool. Check MSDS guidelines for disposal and further information concerning safety.

#### Shelf Life:

The shelf life is 9 months if stored in unopened-original package in a dry place at temperatures between +41°F and +77°F.

#### Packaging (Weight/Volume):

9,8 oz. 12pcs in a box.

#### Physical & Chemical Properties:

Basis: AST Polymer

Curing Mechanism: Moisture Curing

Shore A - Hardness: 50±5 (ISO 868)

Density: 1,35± 0,03 g/ml

Tack free time: 30 min. ± 10 (73°F and 50% R.H)

Curing Rate: Min. 0,1in /24 hours (73°F and 50% R.H)

Tensile Strength: Min. 363 PSI (ISO 37)

Elongation at Break: Min. 200 % (ISO 37)

Tear Propagation Resistance: Min. 1450 PSI (ISO 34)

Movement Accommodation Factor: 10%

Shrinkage: Max. 3% (ISO 10563)

Sanding Time: 2-4 days after application

Service Temperature: -40°F to +194°F

Application Temperature: +41°F to +95°F