



Teakdecking  
Systems®

# TDS AP-100

## GENERAL, ALL-PURPOSE BONDING EPOXY

*"The Professional's Choice"*



**TDS AP-100** All Purpose Epoxy is a general purpose, high strength adhesive for general marine bonding applications. Ideal for installing plugs in teak decks or bonding wood or fiberglass composites

- Excellent bond strength
- Excellent wet-out of bonding surfaces
- Flexible strength resists shock and twist
- Translucent color blends well with surrounding surfaces
- 1:1 mix ratio for easy mixing
- Non-blushing

### **Surface Preparation:**

All surfaces must be clean, dry, and free of any dirt, grease, wax, etc., before beginning any surface preparation. Regardless of the substrate,

it is mandatory that a sample adhesion test be performed to the primed/sealed surface at least 24 hours prior to the final glue-down.

### **Steel:**

- Sandblast or grind to clean white metal per SSPC-SP63 to a 0,07-0,1mm profile.
- Wash with Metal Prep.
- Follow primer instructions to clean surface
- Apply 2-3 coats of a commercially approved epoxy primer such as Awl-Grip High-Build, Devoe Epoxy Primer or equivalent, adequately filling the blast profile.

### **Aluminum**

- Sandblast or grind with 24 grit disc pads to a 0,07-0,1 mm profile.
- Follow primer instructions to clean surface
- Follow with a vinyl wash primer or Alumaprep

- Follow by a mil/spec zinc or strontium chromate corrosion-inhibiting primer
- Follow with AwlGrip High-Build epoxy, Devco Epoxy Primer, or equivalent.

**Fiberglass/Gelcoat:**

- Grind with 36-40 grit paper until no shiny surface is present
- Wipe down with acetone.

**Wood:**

- Scuff with 36-40 grit paper.
- Do not use polyester resin or wood sealers that contain oils.

**Mixing Instructions:**

- Stir both A & B components before combining
- Mix by volume: 1 part base resin with 1 part activator.
- Mixing MUST be thorough to ensure a good cure. Scrape the sides of the container until you have achieved a uniform color with no streaks.
- DO NOT ADD ANY FILLERS OR REDUCER
- Application is not recommended below 10° C.

**Packaging:**

TDS AP-100 All-purpose epoxy comes in 1 pint, a quart or a 1 gallon kit.

**Storage:**

TDS AP-100 will be usable for up to 24 months under proper storage conditions 10-35°C in a sealed container. Prolonged storage may cause the hardener to darken. After prolonged storage, it is advisable to test a small mix to make sure it is viable. Be sure to pre-mix the individual containers before testing. Freezing may cause crystallization in the resin side. If this occurs, warm to 55-70° C and stir to melt crystals. The resin's properties will be unaffected.

**Attention:**

Teakdecking Systems Epoxies can cause skin and eye irritation upon frequent or prolonged exposure. Avoid contact with skin and eyes by the use of gloves, goggles, impervious clothing and barrier creams. In case of accidental contact, wash skin thoroughly with soap and water. In the event of eye contact, flush eyes with water for 15 minutes and seek medical attention. See MSDS for further information and first aid measures

**Warranty:**

In connection with the sale of this product, Teakdecking Systems (TDS) makes no warranty of suitability for any specific purpose. In lieu of all warranties, expressed or implied, TDS will refund the purchase price of any defective material. In no case will TDS be liable for incidental or consequential damages.

TDS AP 100: PROPERTIES	VALUE
Gel Time (0,24L Mix)	35-40 Minutes
Open Time - 4,5mm	60-70 Minutes
Film Set Time - 4,5mm @25°C	4-6 Hours
Film Set Time - 4,5mm @ 4,4°C	12 Hours
Adhesion to Teak	Substrate Failure
Adhesion to Fiberglass	Gelcoat Failure
Adhesion to Aluminum	>300 psi
Adhesion to Steel	>350 psi



TEAKDECKING SYSTEMS, INC.  
 7061 15TH Street East  
 Sarasota, FL 34243, USA  
 Phone: +1 941 756 0600  
 Fax: +1 941 756 0406  
 info\_usa@teakdecking.com  
 www.teakdecking.com

