



TECHNICAL DATA SHEET

Tri-Bond Laminating / Underwater Epoxy Adhesive

Features

- Noncritical 1:1 mix ratio.
- High strength bonds to most metals without primers.
- Low viscosity for easy fiber impregnation
- Adheres to a wide variety of substrates.
- Remains easy to dispense from 0-150F

Benefits

- Conforms to California Proposition 65
- Reduces set up time and bond and fixture time.
- Easily dispensed by manual or pneumatic equipment.

Description

Tri-Bond Laminating Adhesive is two component adhesive designed to offer superior high strength bonds to steel, aluminum and metals alloys and composite materials without the need for surface preparation or primers. Tri-Bond Laminating adhesive is ideal for composite wrap for underwater repair applications. The low viscosity of the Tri-Bond laminating adhesive easily wets both carbon and glass fibers for wase of applications.

| Physical Properties | Result |
|---|--|
| Viscosity (cps) | A: 20,000 –40,000 |
| | B: 50,000 – 60,000 |
| Density (lb / gal) | 8.3 lbs./gal |
| Tensile Strength psi (MPa) | 9,500 – 11,000 (65 – 75) |
| Elongation at Break % | 5 |
| Lap Shear psi (MPa) (Aluminum to aluminum) | 3,000 – 3,800 (20.7 – 26.2) * *Cohesive failure |
| Service Temperature Range °F (°C) | -40 to 180 (-40 to 82) |

| Product | Open Time | Fixture Time |
|------------------------------|------------|--------------|
| Tri-Bond laminating adhesive | 35 minutes | 65 minutes |