



TOP BOND TR 114

Product Description

TOP BOND TR 114 is a two-component, solvent-free epoxy adhesive designed for bonding traffic studs to asphalt and concrete surfaces. It provides exceptional adhesion, durability, and resistance to mechanical stress caused by vehicular traffic.

Properties

- High bond strength to concrete and asphalt
- Solvent-free, low VOC formulation
- Excellent resistance to impact and vibration
- Long service life under heavy traffic conditions
- Easy mixing and application

TECHNICAL PROPERTIES

Appearance/Color	Component A: Clear/Amber Resin; Component B: Hardener
Density:	1.35 kg/liter
Viscosity (mixed, 25°C):	250–350 mPa·s
Volume solids %:	100 %
Compressive Strength:	±70 MPa (ASTM C579)
Bond Strength (concrete):	>5.0 MPa (substrate failure) (ASTM D4541)
Bond Strength to Asphalt:	Pass
Flash point:	120 ° C. /248°F
Open time	30-40 min. (23°C and 50% R.H.)
Application temperature:	+8 °C/46.4° F and +35 °C/ 95°F
Min. cure temperature:	+10°C/50°F
Chemical Resistance:	Resistant to oils, fuels, de-icing salts



Application Details

Mixing Ratio: Component A: 4 – Component B: 1 (By weight)
Application method: Poring
Thinner: Do Not Thin The Product

Surface Preparation:

Ensure substrate is clean, dry, and free of dust, oil, or loose particles.

Mixing & Application

Combine resin and hardener in the specified ratio. Mix thoroughly until uniform.

Application: Apply adhesive to the base of the traffic stud and press firmly onto the surface.

Curing: Allow sufficient curing time before opening to traffic.

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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