



Epoxy &
Polyurethane
Manufacturing and
Research

TECHNICAL BULLETIN

SynDeck® Epoxy Adhesive SS5501

Description

SynDeck® Epoxy Adhesive (SS5501) is a two component, 100% solids amine cured epoxy flooring product that has excellent adhesion, and is specifically designed to be installed on primed or under-layered surfaces.

Applications

SynDeck® Epoxy Adhesive (SS5501) can be applied to properly prepared and prime coated steel decks subject to continuous abrasion service, showers, heads, mess areas, berthing spaces, galleys and passageways. SS5501 is a troweled mixture of epoxy resin and epoxy hardener designed to be used with a V notched trowel.

Performance

Adhesion	Stratica Tile Failure (Bond line maintained)
Hardness Shore D	65
Specific Gravity	1.47
Trowelable (Holding Grooves)	Yes
Coverage	1-gallon at 1/16 inch grooves, ft ² - 100
Bond Strength: Stratica Tile with Stratica Tile Steel (Primed) Aluminum (Primed) Concrete Polyurethane Underlay (SS2102) FRP	Excellent Excellent Excellent Excellent Excellent Excellent Note: Excellent is defined as no adhesive failure was noted.

Physical Characteristics

Packaging	Premeasured kits
Flash Point	>200 °F.
Gloss	N/A
Dry Time	@70°F. 50% RH Dry for walking traffic in 16-24 hours. Depending on selected cure rate. Full cure in 3-days.
Film Thickness	Easily trowelable with V notched trowel.
Thinning	None. Acetone or alcohol for clean up.
Color	Tan
Pot Life	45 minutes @ 70°F 50% RH



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Packaging Description

SA5501 Part A Epoxy Resin –

Contains the tan epoxy resin. The proper amount of resin needed to mix with the hardener is pre-measured in a one-gallon can.

SB5501 Part B Epoxy Hardener –

Used with Epoxy resin is pre-measured in a pint can.

Adhesive Mix –

1 can each of Epoxy Resin and Epoxy Hardener. Yields approximately 100 square feet at 1/16" V notched trowel thickness.

Surface Preparation

Metals –

Primed.

Mixing –

Mix base component (SA5501 Part A – Tan Epoxy Resin) until a homogeneous mixture is obtained. Next, pour activator (SB5501 Part B – Amber Epoxy Hardener) into base component and mix using mechanical jiffy mixer for 2-3 minutes or until homogenous color mixture achieved. Make sure all material is thoroughly mixed. Pouring mixed material into a clean container and re-mixing insures complete reaction of the epoxy.

Application Methods

Trowel –

Use V notched trowel method to effectively spread mixed epoxy adhesive.

Environment –

Apply between 50°F. – 100°F. It can be anticipated that pot life and cure time will vary depending upon ambient temperature conditions.

Contact EPMAR for any additional application information.

Warranty

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of this product and no warranty is made as to the results of any use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product, which is proved to be defective. Any claim of defective product must be received in writing within one (1) year from date of shipment. Neither seller nor manufacturer assumes any liability for injury, loss, or damage resulting from use of this product.

Service is part of our formula

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