



Epoxy &  
Polyurethane  
Manufacturing and  
Research

# TECHNICAL BULLETIN

## SynDeck® Urethane Adhesive SS5601

### Description

SynDeck® Urethane Adhesive (SS5601) is a two-component, room temperature cure, 100% solids, polyurethane adhesive with an excellent adhesion property to various substrates. Component "A" is a MDI base Isocyanate and Component "B" is based on polyols.

### Handling

Shelf Life	6 months at room temperature (65-85°F.)
Storage Temperature	65-90°F.

### Physical Characteristics

	Component A (Isocyanate)	Component B (Polyol)
Mix Ratio Of A/B, by Weight	33%	67%
One Gallon Kit	2.95 lbs.	6.0 lbs.
Solids Contents by Weight	100%	100%
Viscosity, CPS at 77°F. RVF., #7 @ 20 rpm	---	160,000
RVF., #2 @ 20 rpm	200	---
Specific Gravity @ 77°F.	1.23	0.96
Pounds per Gallon	10.3	7.98
Color	Dark Brown	Opaque paste
Mixed Odor	Very mild with oil smell	
VOC Content (Calculated)	0	0

### Application Methods

#### Mixing –

Equipment needed: Jiffy Type Mixer, Electric drill, 12-inch Spatula and Trowel  
Pour SA5601 "A" (ISO) from the container into a two-gallon plastic pail of SB5601 "B" (Polyol). Use a spatula to bring the two components together while mixing at slow speed. Move the edge of the spatula around the wall and the bottom of the plastic pail occasionally to bring unmixed material into the body of the mix to ensure the materials are well mixed. **The minimum mixing time for 1 gallon is 3 minutes.** After achieve homogeneous mixing, spread the mix out on substrates with ¼ inch thickness. Use a trowel to stretch the mixed material to desirable grooves. **The maximum working time for this step is 1 hour.**



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**Processing Characteristics**  
**(1-Gallon total mix, 8.95 lbs A & B @ 77°F)**

Working Life	25 minutes
Gel Time for 1 Gallon Mix	40 minutes
Gel Time for 1/16 in groove	5 hours
Tack Free Time on 60 Mil Thickness	5 - 6 hours
Cure Time @77°F.	1 day
Full Cure @77°F.	3 - 5 days
Temperature of Components	60 - 120°F.

**Typical Properties**

Trowelable (Holding Grooves)	Yes
Coverage with 1-gallon at 1/16 in grooves/ft <sup>2</sup>	80
Hardness, Shore D (ASTM D-2240)	45 - 50
Bond Strength with: 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.	

**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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