

Epoxy bonding agents for segmented bridges

**Planibond
SBA SlowSet**

**Planibond
SBA**



DESCRIPTION

Planibond SBA SlowSet and **Planibond SBA** epoxy bonding adhesives are two-component, 100%-solids and moisture-insensitive. Each adhesive acts as a lubricant and sealer for match-cast precast segments used in span by span and cantilevered erection of segmented precast elements.

FEATURES AND BENEFITS

- Available for use in three temperature classes
- Create a water-resistant seal after curing
- Long working time
- Easy to apply



MAPEI USA
MAPEI Caribe
MAPEI Canada



PRODUCT PERFORMANCE PROPERTIES

Laboratory Tests	Results					
	Planibond SBA SlowSet 40-65	Planibond SBA SlowSet 60-85	Planibond SBA SlowSet 80-105	Planibond SBA 40-65	Planibond SBA 60-90	Planibond SBA 75-115
Compressive strength – ASTM D695						
After 24 hours				> 2,000 psi (13.8 MPa)	> 2,000 psi (13.8 MPa)	> 2,000 psi (13.8 MPa)
After 36 hours	> 1,000 psi (6.90 MPa)	> 1,000 psi (6.90 MPa)	> 1,000 psi (6.90 MPa)			
After 48 hours				> 6,000 psi (41.4 MPa)	> 6,000 psi (41.4 MPa)	> 6,000 psi (41.4 MPa)
After 72 hours	> 2,000 psi (13.8 MPa)	> 2,000 psi (13.8 MPa)	> 2,000 psi (13.8 MPa)			
After 7 days	> 6,000 psi (41.4 MPa)	> 6,000 psi (41.4 MPa)	> 6,000 psi (41.4 MPa)	> 9,000 psi (62.1 MPa)	> 9,000 psi (62.1 MPa)	> 9,000 psi (62.1 MPa)
Sag resistance at high temperature	Non-sag < 0.0 in.	Non-sag < 0.0 in.	Non-sag < 0.0 in.	Non-sag < 0.0 in.	Non-sag < 0.0 in.	Non-sag < 0.0 in.
Gel time at low temperature				160 minutes	270 minutes	120 minutes
Gel time at high temperature	> 100 minutes	> 5 hours	> 4 hours	92 minutes	120 minutes	80 minutes
Heat deflection temperature – ASTM D648						
After 14 days	> 120°F (49°C)	> 120°F (49°C)	> 120°F (49°C)	> 120°F (49°C)	> 120°F (49°C)	> 120°F (49°C)
Open contact time	8 hours	8 hours	8 hours	60 minutes	60 minutes	60 minutes
Bond strength – ASTM C882						
After 2 days				> 1,000 psi (6.90 MPa)	> 1,000 psi (6.90 MPa)	> 1,000 psi (6.90 MPa)
After 14 days	> 1,000 psi (6.90 MPa)	> 1,000 psi (6.90 MPa)	> 1,000 psi (6.90 MPa)			
Contact strength – ASTM C882						
After 2 days				> 1,000 psi (6.90 MPa)	> 1,000 psi (6.90 MPa)	> 1,000 psi (6.90 MPa)
After 14 days	> 1,000 psi (6.90 MPa)	> 1,000 psi (6.90 MPa)	> 1,000 psi (6.90 MPa)			

APPLICATION PROPERTIES

Application Temperature Range			
<i>Planibond SBA SlowSet 40-65</i>	40°F to 65°F (4°C to 18°C)	<i>Planibond SBA 40-65</i>	40°F to 65°F (4°C to 18°C)
<i>Planibond SBA SlowSet 60-85</i>	60°F to 85°F (16°C to 29°C)	<i>Planibond SBA 60-90</i>	60°F to 90°F (16°C to 32°C)
<i>Planibond SBA SlowSet 80-105</i>	80°F to 105°F (26°C to 41°C)	<i>Planibond SBA 75-115</i>	75°F to 115°F (24°C to 46°C)

SHELF LIFE AND PRODUCT CHARACTERISTICS

Shelf life	2 years in original, unopened containers. Store at 40°F to 95°F (4°C to 35°C)
Storage conditions	Store in a dry place at the application temperature range specified below for each product version.
Colors (Part A / Part B / Mixed)	Dark Gray / White / Light Gray
Consistency	Non-sag

CSI DIVISION CLASSIFICATION

Common Work Results for Concrete	03 05 00
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PACKAGING

Size	Kit, 3 U.S. gals. (11.4 L)
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APPROXIMATE COVERAGE*

Application Thickness	Coverage
1/8" (3 mm)	12.8 sq. ft. per U.S. gal. (1.19 m ² per 3.79 L)
	38.5 sq. ft. per 3 U.S. gals. (3.58 m ² per 11.4 L)
1/4" (6 mm)	6.4 sq. ft. per U.S. gal. (0.59 m ² per 3.79 L)
	19.3 sq. ft. per 3 U.S. gals. (1.79 m ² per 11.4 L)
Amount of Mixed Product	Yield
1 U.S. gal. (3.79 L)	231 cu. in. (3 785 cm ³)
3 U.S. gals. (11.4 L)	693 cu. in. (11 356 cm ³)

* Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions and setting practices.