



Kerapoxy[®] ***SB***

**Premium, Spot-Bonding, Epoxy
Setting Mortar**



Kerapoxy[®] ***SB Rapid***

**Premium, Rapid, Spot-Bonding,
Epoxy Setting Mortar**



DESCRIPTION

Kerapoxy SB is a two-component, solvent-free, 100%-solids, high-strength epoxy mortar that is suited for the spot-bonding method of tile and stone installations on residential and commercial vertical applications. The non-sag, non-staining formulation of **Kerapoxy SB** is designed for setting most types of tiles and stones.

FEATURES AND BENEFITS

- Non-sag when applied at up to 1" (2.5 cm) thick
- Non-staining formulation for light-colored marble and stone
- Easy to use, with a 1:1 mixing ratio by volume
- Sets within 45 minutes to 1 hour
- Provides long-lasting, durable, high-strength bonds

DESCRIPTION

Kerapoxy SB Rapid is a fast-setting, two-component, solvent-free, 100%-solids, high-strength epoxy mortar that is suited for the spot-bonding method of tile and stone installations on residential and commercial vertical applications. The non-sag, non-staining formulation of **Kerapoxy SB Rapid** is designed for setting most types of tiles and stones.

FEATURES AND BENEFITS

- Non-sag when applied at up to 1" (2.5 cm) thick
- Non-staining formulation for light-colored marble and stone
- Easy to use, with a 1:1 mixing ratio by volume
- Provides long-lasting, durable, high-strength bonds
- Fast, permanent bond in 5 to 8 minutes



MAPEI USA





ISO 13007 CLASSIFICATION FOR KERAPOXY SB AND KERAPOXY SB RAPID

Classification Code	Test Characteristics	Classification Requirement
R2 (reaction resin adhesive, improved)	Shear adhesion strength	≥ 2 N/mm ²
	Shear adhesion strength after water immersion	≥ 2 N/mm ²
	Open time: tensile adhesion strength	≥ 0.5 N/mm ² after not less than 20 minutes
	Shear adhesion strength after thermal shock	≥ 2 N/mm ²
	Transverse deformation	Greater than or equal to 0.1" (2.5 mm) and less than 0.2" (5 mm)
T (vertical slip resistance)	Slip-resistant	≤ 0.019" (0.5 mm)
F - Kerapoxy SB Rapid (fast-setting)	Fast-setting	≥ 72.5 psi (0.5 MPa) after 6 hours



ANSI SPECIFICATIONS FOR KERAPOXY SB AND KERAPOXY SB RAPID

Test Method	Specification Standard	Test Results
ANSI A118.3 (5.2) – initial setting time	> 2 hours	Pass
ANSI A118.3 (5.2) – service setting time	< 7 days	Pass
ANSI A118.3 (5.3) – shrinkage	< 0.25%	Pass
ANSI A118.3 (5.4) – sag	No change	Pass
ANSI A118.3 (5.5) – shear bond strength	> 1,000 psi (6.90 MPa)	Pass
ANSI A118.3 (5.6) – compressive strength	> 3,500 psi (24.1 MPa)	Pass
ANSI A118.3 (5.7) – tensile strength	> 1,000 psi (6.90 MPa)	Pass
ANSI A118.3 (5.8) – thermal shock	> 500 psi (3.45 MPa)	Pass

PACKAGING

Kit: 2.6 U.S. gals. (10 L)

Part A, pail: 1.3 U.S. gals. (5 L)

Part B, pail: 1.3 U.S. gals. (5 L)

SHELF LIFE AND APPLICATION PROPERTIES* at 73°F (23°C) and 50% relative humidity

FOR KERAPOXY SB

Shelf life	2 years when stored in original, unopened packaging
Pot life*	30 to 45 minutes
Setting time*	5 hours
VOCs (Rule #1168 of California's SCAQMD)	5 g per L

* See the Temperature Effects chart below.

FOR KERAPOXY SB RAPID

Shelf life	2 years when stored in original, unopened packaging
Pot life*	5 minutes
Setting time*	6 minutes
VOCs (Rule #1168 of California's SCAQMD)	5 g per L

* See the Temperature Effects chart below.

TEMPERATURE EFFECTS ON KERAPOXY SB

Temperature	Pot Life	Setting Time
40°F (4°C)	95 minutes	9 hours
73°F (23°C)	45 minutes	5 hours
90°F (32°C)	25 minutes	2.5 hours

TEMPERATURE EFFECTS ON KERAPOXY SB RAPID

Temperature	Pot Life	Setting Time
40°F (4°C)	10 minutes	15 to 18 minutes
73°F (23°C)	5 minutes	6 to 8 minutes
90°F (32°C)	3 minutes	3 to 5 minutes