TECHNO BOND™ 8106

Epoxy-based repair paste

MIXING RATIO
1A : 1B
by volume

CHARACTERISTICS

- Easy to mix
- Impact resistant
- Easy to apply
- Non-sagging
- Excellent bond strength
- High thixotropy
- Low shrinkage
- Antibacterial version available

Contact
POLYMÈRES TECHNOLOGIES for more information:
support@polymerestechnologies.com

DESCRIPTION

TECHNO BOND™ 8106 is a high-performance, two-component thixotropic epoxy resin designed for industrial-grade concrete repairs. Ideal for vertical and horizontal applications, its non-sag formula allows for easy application on walls without dripping.This impact-resistant system is engineered to fill and restore cracks, voids, and drilled holes in concrete surfaces, while adding structural and mechanical strength. Commonly used in food-manufacturing facilities, it resists water, aggressive cleaning agents, and high-traffic conditions—making it ideal for areas around drains, machinery bases, and structural anchors.

Ideal for repairing concrete slabs or walls in the food industry, medical and industrial environments. TECHNO BOND 8106 meets CFIA requirements and is non-allergenic.

TECHNO BONDTM 8106 can be applied on horizontal or vertical surfaces up to one inch thick. It can also be used to bond most rigid substrates such as concrete, wood, metal, glass, and some thermosetting plastics. Ideal to bond ceramic tiles.

INSTRUCTIONS

All surfaces must be sound, hard, dry, and free from grease, oil, dust, or other contaminants that can prevent proper adhesion. Mix equal amounts of part A and part B, by volume, until color is uniform.To ensure good results, make sure the adhesive fills all gaps between the substrates being bonded.

TECHNO BOND™ 8106 tends to ‘‘blush’’ in a humid environment. A ‘‘blush’’ consists of the reaction of a raw material with ambient humidity which leaves a sticky effect on the surface of the exposed product. To eliminate this stickiness, simply wipe the surface with a slightly damp cloth, then wipe with a dry cloth to dry the exposed surface.

Uncured material can easily be cleaned by using our ecological cleaner POLY CLEANER™.

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TYPICAL PROPERTIES (AT 22 °C/72 °F)	PART A	PART B	MIX
DENSITY (g/cm^3)	1.16 – 1.18	1.02	1.08 – 1.10
COLOR	Blanc	Noir	Gris
MIXING RATIO by volume	1	1	1/1
MIXING RATIO by weight	10	8.6	100/86
CONSISTENCY	Gel		
SOLIDS BY WEIGHT	99.5% minimum		
VOC (volatile organic components)	37 grams/litre maximum		
INDUCTION	None		
POT LIFE (200cc mass)	30 minutes		
APPLICATION METHOD	Trowel, spatula		
CLEANER	POLY CLEANER™		
FULL CURE	7 days*		

*After the material has solidified, the full cure can be accelerated at 51.7°C (125°F).

PHYSICAL PROPERTIES
(solid state after 7 days at 22°C/72°F)

TEST	METHOD	RESULTS	
HARDNESS	ASTM D 2240	Shore D	75
SAG RESISTANCE		Inch	1
PEAK EXOTHERMIC TEMPERATURE	ASTM D 2471	°C	110 - 120
TENSILE STRENGTH	ASTM D 638	MPa*	23.6
ELONGATION AT BREAK	ASTM D 638	%	22.1
FLEXURAL STRENGTH	ASTM D 790	MPa	21.5
COMPRESSIVE STRENGTH	ASTM D 695	MPa	31.0
LINEAR SHRINKAGE	ASTM D 2566-79	Cm/cm	0.0035
WATER ABSORPTION	ASTM D 570	24 hours	0.21%
		7 days	1.02%
		2h (boiling water)	1.97%
SHEAR STRENGTH PROPERTIES	ASTM D 1002	Aluminum	9.5 Mpa
		Stainless steel	11 Mpa
WEIGHT LOSS AT 100°C	7 days at 100°C	%	1.75

*1 MPa = 145 lbs/po^3

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PRECAUTIONS

- Consult material safety data sheet prior to use.
- Normal health and safety measures should be observed when handling this product.
- Ensure good ventilation.
- Wear gloves, safety glasses, and protective clothing.
- Do not use part A without its part B, and vice versa. Once the container is opened, POLYMÈRES TECHNOLOGIES can no longer be held responsible for this product.
- Shelf life of this product in original containers is one (1) year from the date of purchase, under recommended storage conditions.
- Keep from freezing.

It is recommended to follow provincial and federal safety regulations. In case of eye contact, rinse well with water. In case of skin contact, rinse with soap and water. Keep away from children.

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