FIRMbond

Curbing Adhesive

18M101 Pt. A (EAS-08 A)
212K201 Pt. B (EAS-08 B)

Technical Data Sheet

PRODUCT DESCRIPTION

A two component, 100% solids epoxy polysulfide rubber adhesive for bonding hardened concrete to hardened concrete, freshly poured concrete to hardened concrete. This product also can be used for coating and sealing concrete substrates. Ideally suited for adhering precast and extruded curbing to roadways and parking lots.

ASTM C881 Standard Specification for Epoxy-Resin-Base Bonding Systems for Concrete (Class C, Type I and II)
AASHTO M 235M/M 235-13 (2018) Standard Specification for Epoxy Resin Adhesives (Class C, Type I and II)

Color:
Part A **EAS-08 A**: White - 18M101 (formally 18M001)
Part B **EAS-08 B**: Black - 212K201 (formally 212M103)
Product should be Gray when properly mixed and ready for use.

Benefits
Bonds Multiple Substrates including concrete, steel, aluminum, fiberglass and wood.
Superior Chemical Resistance

PRODUCT AND PERFORMANCE DATA

Product Data

Property	Result
Volume Solids	100%
Weight Solids	100%
Density	10.6 lbs./gallon
Viscosity (cP) Brookfield @ 77°F	Pt. A 60,000 Pt. B 40,000
Pot Life (1 lb. batch @ 70°F)	25 minutes

Performance Data

Property	Method	Result
Consistency, inches of sag (73°F)	ASTM C881	No Sag
Gel Time*, minutes (60 g @ 73°F)	ASTM C881	~ 94 minutes
Bond Strength, psi (2 Day Moist Cure @ 60°F) - Hardened to Hardened	ASTM C881	>2370 psi avg Concrete Failure
Bond Strength, psi (14 Day Moist Cure @ 60°F) - Hardened to Hardened	ASTM C881	>2534 psi avg Concrete Failure
Bond Strength, psi (14 Day Moist Cure @ 73°F) - Fresh to Hardened	ASTM C881	1796 psi avg Bond Failure

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Water Absorption, % (7 Day Cure - 24 hr Immersion - @ 73°F)	ASTM C881	0.22% avg
Linear Coefficient of Shrinkage, in. (7 Day Cure @ 73°F)	ASTM C881	0.001 in.
Compressive Yield, psi (7 Day Cure @ 60°F, 0.05 in./min, Average of 4)	ASTM C881	8390 psi avg
Compressive Modulus, psi (7 Day Cure @ 60°F, 0.05 in./min, Average of 4)	ASTM C881	258235 psi avg
Epoxide Number, (Part A)	ASTM D1652	258 avg.

**Gel Time determination was made when the viscosity of the product increased to a point where the product was non workable. (no soft gelatinous mass formed)*

MIX RATIO

Mix Ratio: 2:1 Part A: 18M001 White Part B: 212K103 Black	2 parts “A” 1 part “B”

SURFACE PREPARATION

Surface must be dry, clean, solid and free from alkalinity.

APPLICATION

Mix each component separately in its own pail. Then thoroughly mix Part A and Part B together until it is a consistent gray color with no streaks. Mix in clean containers and do not mix fresh epoxy with previously mixed epoxy. Do not use in temperatures below 32°F, do not allow product to freeze.

PACKAGING

18M001 (A)
1 Gallon Containers
5 Gallon Containers

212K103 (B)
1 Gallon Containers
5 Gallon Containers

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STORAGE

Store in accordance with local and national regulations. Keep containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 73°F (23 °C) = minimum of 12 months *

*When kept in recommended storage condition and original unopened containers.

CAUTION

Adequate health and safety precautions should be observed during storage, handling, use and curing periods.

READ SAFETY DATA SHEETS BEFORE USING THIS PRODUCT

DISCLAIMER

The technical data and suggestions for use in this product data sheet are currently correct to the best of our knowledge, but are subject to change without notice. Because application and conditions vary, and are beyond our control, we are not responsible for results obtained in using this product, even when used as suggested. The user should conduct tests to determine the suitability of the product for the intended use under then existing conditions. Our liability for breach of warranty, strict liability in tort, negligence or otherwise is limited exclusively to replacement of the product or refund of its price. Under no circumstances are we liable for incidental or consequential damages.

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