FIRMmarker™

18M100 EAS-06 Pt. A
212K200 EAS-06 Pt. B

18M900 Cartridges

Technical Data Sheet

PRODUCT DESCRIPTION

A two component 100% solids epoxy system designed for use as an adhesive.

Color: Gray

Benefits
Passes the requirements of AASHTO M 237 Type II in Independent Laboratory Testing
Meets the physical requirements of AASHTO M 237 Type IV in Independent Laboratory Testing
Excellent Bond Strength to Portland Concrete and Asphalt Concrete
Meets WSDOT spec 9-26.2
Convenient Packaging
Possible uses in addition to Traffic Control Devices - Wheel Stops and Rumble Strips

PHYSICAL PROPERTIES

Property	Result
Volume Solids	**100%**
Weight Solids	**100%**
VOC's (mixed)	*18M* **- 0.56 g/L ,** *212K* **- 0.00 g/L (0.28 g/L)**
Density	**11.97 lbs/gallon (1.43 kgs/L)**
Viscosity (cP) Helipath TV @ 77° F	**Pt. A & B 100,000 – 300,000**
Coverage: 4" Round	**200 buttons/gal**
Coverage: 4" Square	**150 buttons/gal**
Pot Life (1 lb. batch @ 70°F)	**7-10 minutes**

Test	Result
Compressive Strength (psi): 2 in cubes, 3 day cure	**>300 psi**
Arizona Dry Bond Test 706.05	**7 days - Pass**
Arizona Dry Bond Test 706.05	**74 hours - Pass**

PACKAGING

Kits
2 Quart Kits
2 Gallon Kits
10 gallon Kits

FORREST Technical Coatings
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Cartridges
18M900 is also conveniently packaged in a 20 oz dual cartridge for easy application.
Fits into following applicators; steel caulking gun (1MDUALGUN), battery operated caulking gun (1MDUALGUN18V) or pneumatic gun (1MDUALGUNAIR)

There is a quick release mixing applicator that dispenses and mixes exactly what you need for the application. Unused product can be stored for future use.

APPLICATION / MIX

Mix Ratio: **Part A: 18M100 White** **Part B: 212K200 Black**	1: 1 1 part A 1 part B
Cure Characteristics: **Based on 40 mm film**	Firm set @ 70°F = 2 hrs Firm set @ 50°F = 4 hrs Hard set @ 70°F = 4 hrs Full Cure Time @ 70°F = 24 hours
Recommended Application Temperature:	35°F - 105°F
Recommended Bond Temperature:	-20°F - 160

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 until a consistent Grey color with no streaks. Mix in clean containers and do not mix fresh epoxy with cured epoxy. Do not use in temperatures below 35°F, do not allow product to freeze.

For Best Performance and Results

24 hours, prior to use, get the product temperature 80°F (27°C) to 85°F (29°C) for 24 hours, prior to use.

Ambient, surface, aggregate and epoxy temperatures should be a minimum of 50°F (10°C) and rising at the time of application.

Store at 70°F to 90°F (21°C to 32°C).

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CAUTION

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

READ SAFETY DATA SHEETS BEFORE USING THIS PRODUCT

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

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

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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