

# TrafficGuard™ EM

## PLURAL COMPONENT EPOXY PAVEMENT MARKING



## TECHNICAL DATA SHEET

FOR PROFESSIONAL CONTRACTOR USE ONLY

### DESCRIPTION

**TrafficGuard EM** is a 100% solids, 2:1 epoxy pavement marking designed to deliver highly visible, long lasting lines on both asphalt and concrete roadways. TrafficGuard EM provides excellent surface adhesion and bonding properties for securing reflective glass bead systems.

### FEATURES & BENEFITS

- Equipment friendly low viscosity formula with consistent flow and mix for fast setting crisp lines.
- Strong color properties resistant to extreme heat and sunlight.
- Exterior line abrasion resistance and surface durability insensitive to freeze/ thaw cycles.
- Protects roads with 100% solids chemistry that resists shrinkage and pavement surface cracking.
- Excellent bond strength for retention of glass beads.
- High reflectivity properties
- Technical Service and personal respect from industry professionals

### USES

- Concrete and asphalt roadways and bridge decks
- Center and edge line markings
- Symbols, arrows, legends and crosswalks

### SURFACE PREPARATION

The surface must be free of curing compounds/sealers, oil, grease, and all debris. Existing pavement markings shall be removed as specified by state DOT with manufacturer's recommendation. TrafficGuard EM may be installed directly over temporary/ interim waterborne paint at 12 mils or less on asphalt roadways. Installation without eradication over markings on concrete surfaces is not recommended. Consultation with ChemCo Systems is always recommended for first time installations.

### PACKAGING & COLORS

- **Side A - 2 Part Amine/Pigment**
- **Side B - 1 Part Hardener**
- Standard package sizes of 5-gallon pails, 50-gallon drums, 250-gallon totes.
- Color is White, Yellow, and black (Customs colors available upon request).

### TECHNICAL DATA

PHYSICAL PROPERTIES	TEST METHOD	VALUE
<b>Solids Content, Percent Solids</b>		100%
<b>Mix Ratio, By Volume</b>		2A:1B
<b>Track Free</b>	ASTM D711	9 minutes @ 72° F
<b>Elongation</b>	ASTM D638	> 10%
<b>Hardness, Shore D</b>	ASTM 2240	>80
<b>Adhesion to Concrete</b>	ASTM 4541	> 300 psi - 100% concrete failure
<b>Tensile Strength</b>	ASTM D638	> 6500 psi
<b>Compressive Strength</b>	ASTM D695	> 12000 psi
<b>Abrasion Resistance</b>	ASTM D4060	< 70 mg. loss

### COVERAGE: PER GALLON

Line Width	20 mils	25 mils
4"	240 LF	194 LF
6"	160 LF	130 LF

### STORAGE AND SHELF LIFE

12 months in factory delivered unopened containers. Avoid extreme heat, cold, and moisture. Maintain at a proper storage temperature of 60°F - 80°F (16°C -27°C) .





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