

# TrafficGuard® STU44

CUSTOMIZED POLYACRYLATE PLURAL COMPONENT PAVEMENT MARKING



## TECHNICAL DATA SHEET FOR PROFESSIONAL CONTRACT USE ONLY

### DESCRIPTION

TrafficGuard STU44 is a 100% solids, 2:1 custom formulated fast setting pavement marking designed to deliver high performance lines on both asphalt and concrete roadways. TrafficGuard STU44 provides a tenacious bond for securing reflective media and may be installed using standard plural component epoxy pavement marking equipment.

### FEATURES

- Equipment friendly low viscosity formula with consistent flow and mix for fast setting crisp lines.
- UV and color stability in extreme heat and sunlight.
- Versatile performance properties providing exterior line abrasion resistance and surface durability that resists seasonal freeze/ thaw cycles.
- Protects roads with 100% solids chemistry that resists shrinkage and pavement surface cracking.
- Excellent bond strength for retention of glass beads.
- Custom formulated color and binder providing high reflective values.
- 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 STU44 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 Epoxy/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
Solids Content, Percent Solids		100%
Mix Ratio, By Volume		2A:1B
Track Free	ASTM D711	< 4 minutes
Elongation	ASTM D638	> 10%
Hardness, Shore D	ASTM 2240	>78
Adhesion to Concrete	ASTM 4541	> 300 psi - 100% concrete failure
Tensile Strength	ASTM D638	> 6500 psi
Compressive Strength	ASTM D695	> 12000 psi
Abrasion Resistance	ASTM D4060	< 60 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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**Limited Warranty:** Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These products are for professional use only and to be applied by professionals who have prior experience and training with the use and application of our materials, and who are fully aware of all Federal, State and local rules, regulations, and code requirements for storage, transportation, handling, installation, and application. Published technical data and instructions are subject to change without notice. Contact your local representative or visit our website for current technical data, SDS, instructions, and project specific recommendations. We warrant our products to be free of manufacturing defects and that they will meet our current published physical properties within the shelf life of products.

Our sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. We will not be liable for damages of any sort, including remote or consequential or punitive damages resulting from any claimed breach of any warranty whether expressed or implied. We will also not be responsible for use of this product in a manner to infringe on any patent held by others. No warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, adhesion, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. We reserve the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator. Your sole and exclusive remedy against us shall be limited to the paid cost of the materials sufficient to replace any affected areas where product failure has occurred. The cost of replacement materials shall, in no event, exceed the value of the original purchase price of the products, subject to equitable reductions for time of use.

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