

TrafficGuard® MB-E

TWO COMPONENT TRAFFIC MARKER ADHESIVE



TECHNICAL DATA SHEET FOR PROFESSIONAL CONTRACT USE ONLY

DESCRIPTION

TrafficGuard MB-E is a multi-component, 1:1 mix epoxy acrylate bonding agent for use with reflective pavement markers on asphalt and concrete roadways. TrafficGuard MB-E is a color-coded easy mix formula with fast setting properties that allow for shortened "return to traffic" times during all four calendar seasons. This advanced formulation is quick to build viscosity, avoiding runouts from cuts, and provides a bond that resists oils, greases, moisture, vibration, and heavy traffic.

COMPLIANCE

TrafficGuard MB-E has undergone independent lab testing and evaluations and meets / exceeds the physical property requirements set forth in AASHTO M - 237 Type II and IV.

FEATURES

- **SAFE** for contractors and the environment with no VOCs or solvents.
- **100% Solids** with no added fillers for consistent flow and performance on every installation.
- **Easy Mix** color coded parts A white and B black for a uniform gray cured product.
- **Fast** setting and quick to achieve physical properties.
- **Resistant** to chemicals and freeze thaw cycles.
- **Extended Installation Season** with low temperature dry times and performance properties.
- **Multi-Functional** bonding and adhesion properties for Type II and IV reflective marker projects.
- **Technical Service** and personal respect from industry professionals.

USES

- M-237 Type II and IV reflective traffic marker adhesive
- Patching and repair
- Anchor and bonding

PACKAGING & COLORS

- Standard package sizes of 5-gallon pails and 50-gallon drums
- Part A: White Resin Part B: Black Hardener
- Mixed Color: Federal 595 Gray

SURFACE PREPARATION AND APPLICATION

The surface should be clean/dry and free from contamination. Application temperatures may range from 28°F (-2°C) to 120°F (49°C). This product may be applied with cartridge gun, hand mixed or plural component liquid pumping equipment. When installation temperatures are below 40°F (4°C) using plural component equipment and heating the material to 80° F (27° C) is recommended.

TECHNICAL DATA

PHYSICAL PROPERTIES TESTED TO AASHTO T 237-05 TYPE II AND IV	VALUE
Percent Solids	100%
Mix by Volume	1:1
Gel Time	7 minutes
Bond Strength to concrete @ 60 minutes	267 psi
Bond Strength to concrete @ 210 minutes	841 (100% concrete failure)
Slant Shear Dry	5164 (100% concrete failure)
Slant Shear Water Soaked	2055
Tensile Adhesion - Ceramic RPM	1383 psi (RPM failure)
Tensile Adhesion - Ceramic RPM w/ post cure	1128 psi (RPM failure)
Tensile Adhesion - Filled Reflective (FR) RPM	1489 psi (RPM failure)

STORAGE AND SHELF LIFE

12 months in factory delivered unopened containers. Avoid extreme heat, cold, and moisture. Maintain at a proper storage temperature of 50°F - 80°F (10° -27°C)





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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