

TrafficGuard™ MB

TWO COMPONENT REFLECTIVE TRAFFIC MARKER BONDING AGENT



TECHNICAL DATA SHEET FOR PROFESSIONAL CONTRACTOR USE ONLY

DESCRIPTION

TrafficGuard MB is a multi-component, 1:1 mix hybrid urethane bonding agent for use with reflective pavement markers on asphalt and concrete roadways. TrafficGuard MB 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 urethane formulation provides a bond that resists oils, greases, moisture, vibration, and heavy traffic.

COMPLIANCE

TrafficGuard MB 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 and B for a uniform dark 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: Amber/Activator Part B: Black/Resin
Mixed Color: Dark 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	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 preferably applied by professionals who have prior experience with ChemCo Systems materials or have undergone training in application of ChemCo Systems materials. Published technical data and instructions are subject to change without notice. Contact your local ChemCo Systems representative or visit our website for current technical data, instructions, and project specific recommendations.

ChemCo Systems warrants its products to be free of manufacturing defects and that they will meet ChemCo Systems' current published physical properties. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by ChemCo Systems of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. ChemCo Systems shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. ChemCo Systems shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, 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. ChemCo Systems reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

Disclaimer: All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and ChemCo Systems makes no claim that these tests or any other tests accurately represent all environments. ChemCo Systems is not responsible for typographical errors. © 2022 ChemCo Systems. All rights reserved. Revision 20221018.EA