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Ph: **800-474-7570, 602-272-8128** Fax: **602-272-8014**  
[www.BestMaterials.com](http://www.BestMaterials.com) Email: [Sales@BestMaterials.com](mailto:Sales@BestMaterials.com)

## **OVERVIEW OF BASF MASTERSEAL FLUID-APPLIED TRAFFIC WATERPROOFING SYSTEMS**

BASF MasterSeal Traffic Systems (formerly Sonoguard and Conipur systems) are fluid applied traffic-grade waterproofing systems for all kinds of applications. The most common applications include high-traffic pedestrian walkways, vehicular parking garages, stadiums, walkways, balcony decks and concrete floor areas which need to be waterproof and chemically resistant. Four systems are specified, but other combinations are possible.

1. **MasterSeal Traffic 1500 System (formerly Sonoguard)**: A lower-cost polyurethane waterproofing, traffic-bearing membrane systems for vehicular and pedestrian areas. MasterSeal 1500 products are solvent based, have some odor and are not VOC compliant in some areas. It's a longer cure-time system. Available in 40+ colors. MasterSeal Traffic 1500 waterproofing systems are composed of:

**Primers:** See note below.

**Basecoat:** [MasterSeal M 200](#), a one-component, moisture-curing polyurethane. Lowest cost basecoat, but longest curing.

**Topcoat:** MasterSeal TC 225, a UV resistant one-component aliphatic moisture-curing polyurethane. Lowest cost topcoat, but longest curing. Available pretinted in Tan, Gray and Charcoal.

**or Topcoat:** [MasterSeal TC 225](#) Tintable Topcoat. Options for 40 standard colors and 470 custom. A UV resistant 2-component aliphatic moisture-curing polyurethane.

2. **MasterSeal Traffic 2000 System (formerly Conipur II)**: A hybrid system of Traffic 1500 and 2500. It uses a lower cost, slower curing basecoat with a high-performance quick-curing chemically resistant. Suitable for all deck types, but generally used on parking garages. Available in 3 colors. MasterSeal Traffic 2000 is composed of:

**Primer:** See note below.

**Basecoat:** [MasterSeal M 200](#) – a one component, moisture-curing polyurethane.

**Intermediate Coat:** [MasterSeal TC 275](#) – a two-component fast curing aromatic polyurethane topcoat with outstanding mechanical properties, including high tensile strength, and excellent tear and abrasion resistance. TC 295 can also be used in the intermediate coat.

**Topcoat:** [MasterSeal TC 295](#) – a UV resistant high-performance, two component, aliphatic, polyaspartic modified, high-solids, polyurethane. Available pre-tinted in Gray and Charcoal.

3. **MasterSeal Traffic 2500 System (formerly Conipur I)**: Uses a fast-setting two-component reactive-curing mechanism for both the basecoat and topcoat layers. It has a very low odor and is VOC compliant in all areas. The topcoat is very chemical resistant. Suitable for all deck types. Available in 3 colors. It's the fastest curing and highest cost system. MasterSeal Traffic 2500 is composed of:

**Primer:** [MasterSeal P 255](#) 2-part fast cure, where required.

**Basecoat:** [MasterSeal M 265](#)—a two-component fast-curing polyurethane base coat with outstanding mechanical properties, including excellent elongation.

**Intermediate Coat:** [MasterSeal TC 275](#) a two-component fast-curing aromatic polyurethane topcoat with outstanding mechanical properties, including high tensile strength and excellent tear and abrasion resistance. Not UV resistant. TC 295 can also be used in the intermediate coat.

**Topcoat:** [MasterSeal TC 295](#) (exterior applications) – a UV resistant high-performance, two-component aliphatic, high-solids urethane waterproofing membrane designed as a topcoat for the MasterSeal Traffic 2500. Available pre-tinted in Gray and Charcoal.

4. **[MasterSeal Traffic 2530 System \(formerly TrafficGuard EP\)](#):** A fluid applied epoxy/polyurethane waterproofing system comprised of a flexible polyurethane base coat and a semi-rigid epoxy topcoat. MasterSeal Traffic 2530 uses fast setting, two-component reactive curing mechanisms. It meets VOCs in all areas and has very low odor. MasterSeal Traffic 2530 is comprised of:

**Primer:** [MasterSeal P 255](#) 2-part fast cure, where required.

**Basecoat:** [MasterSeal M 265](#) is a two component fast curing polyurethane basecoat with outstanding mechanical properties including excellent elongation.

**Topcoat:** MasterSeal 350 is a two-component fast curing epoxy topcoat with limited movement capability and outstanding abrasion resistance.

**Primers:** The systems above are self priming to new plywood and newly cured concrete (dust free). All old surfaces and any chalky surface should be primed. Primer should be use when re-top-coating. Three primer options are available:

[MasterSeal P 222](#) (formerly #722): A one-component solvent-based primer and sealer.

[MasterSeal P 220](#), (formerly #770): A two-component water-based epoxy primer and sealer. Most expensive product.

[MasterSeal P 255](#), (formerly #78): A two-component polyurethane-based fast-cure adhesive primer. Smaller kit, least expensive.

[MasterSeal P 173](#) (formerly 733 ). Small 1-pint cans for small area. A one-component solvent-based primer and sealer. For use with Polyurethane Caulk, Sealants and Traffic coatings.

#### **Architectural Details & Application Notes:**

[Cold Weather Installation Notes](#)

[Field Adhesion Testing Method](#)

[Recoating Recommendations](#)

[Wall Bearing Slab Detail](#)

#### **System Details:**

[Pedestrian Deck System, Florida State Approved](#)

[Light Vehicular Traffic System](#)

[Heavy Duty Traffic System](#)

[Extra Heavy Duty Traffic System](#)

[Under Thin-Set \(Tile\) Applications](#)