

# MasterSeal™ MTR



## Modified Tire Rubberized Sealcoat

Modified with terminal blended recycled tire rubber for superior U.V. protection, flexibility, adhesion, durability, and color retention.



**Product Description:**

MasterSeal MTR is a premium, clay stabilized, mineral-filled, tire rubber modified asphalt emulsion sealcoat. Designed and manufactured in Arizona, MasterSeal MTR protects, beautifies and extends the

life of all asphalt pavements including parking lots, driveways, roadways, airports and wherever quality and value are critical.

**Color:** Black when dry.

**Surface Preparation:** New asphalt should cure a minimum of 60 days prior to sealcoating. Surface must be free from all embedded and loose dirt, dust and foreign materials. Pavement repairs and structural damage should be made prior to application. Cracks 1/4" and larger should be sealed with hot or cold applied crack sealants. Grease and oil spots should be treated with SealMaster Prep or Petro Seal.

**Important:** Ambient and surface temperature must be at least 60°F and rising during application. Do not apply if raining or rain is forecast within 24 hours. Keep irrigation water off the sealcoat for 72 hours after application. In extremely hot weather (over 90°F) pavement surface should be misted with water during application. Drying time in ideal weather is 4-6 hours to resume traffic. Allow additional drying time in cooler temperatures and in shaded areas.

**Mixing Procedures:** For optimum results, mix MasterSeal MTR concentrate as per the following mix design, based on 100 gallons for calculation purposes. Mix material to uniform consistency.

MasterSeal MTR Concentrate	100 gallons
Dilution Water	20-25 gallons
Aggregate	100-200 lbs.

2-3 lbs./gallon of aggregate are added during manufacturing. Additional aggregate may be

added as above to meet specific project requirement. 60 mesh silica sand or 30-60 mesh Sharp Shot is recommended.

**Material Requirements and Application Rate Guidelines:**

Estimating the amount of MasterSeal MTR concentrate and the corresponding application rate of diluted MasterSeal MTR are influenced by several factors including: pavement age, traffic counts, method of application, engineering specifications and property owner requirements. Two coats are recommended (allow first coat to dry before applying the second). Apply MasterSeal MTR by spray, squeegee or brush.

Typically, the amount of MasterSeal MTR concentrate required per coat is 70-90 square feet/gallon. The application rate per coat of diluted (25%) MasterSeal MTR is .13-.16 gallons/square yard.

**Clean Up:** Wash tools in water. Use TarBuster if material has dried.

**Caution:** KEEP OUT OF REACH OF CHILDREN. Do not take internally. If swallowed, call a physician immediately. In case of contact with eyes, flush immediately with water for 15 minutes and call a physician. When not in use, keep containers tightly closed and upright to prevent leakage.

**Warranty:** The statements made on this technical bulletin are believed to be true and accurate, and are intended to provide a guide for approved construction practices. SealMaster® does not make, nor does it authorize any agent or representative to make any warranty, express or implied, concerning this material as workmanship, weather, construction, equipment utilized and other variables affecting results are all beyond our control. SealMaster® warrants only that the material conforms to product specifications and any liability to the buyer or user of this product is limited to the replacement value of the product only. In no event shall SealMaster® be liable for any injury, loss or damage, either direct or incidental, special or consequential, however arising, in connection with material or equipment furnished or work performed. SealMaster® shall not, in any manner, be liable for any defects, variations or change in condition in the substructure over which its products are installed.

**MASTERSEAL MTR - Standards and Product Test Data:** (1.)

Classification: Tire Rubber Modified Asphalt Emulsion Sealcoat Concentrate

PROPERTY	TEST METHOD	STANDARDS (2.)	TEST DATA
Dried film color	Visual	Black	Black
Weight/Gallon	ASTM D 244	9 lbs. Min.	10 lbs. Min.
Residue by Evaporation, % (3.)	ASTM D 2939.08	50% Min.	50% Min.
Non-Volatiles Soluble in Trichloroethylene, %	ASTM D 4	35% Min.	>40%
Cone Penetration	ASTM D 217	340-700	>350
Wet Track Abrasion, gram loss (4.)	ISSA (TB-100)	<5 gm. loss	<5 gm.
Accelerated Weathering Test (5.)	ASTM G 154	PASS	PASS (1000 hrs.)

**ASPHALT CEMENT - STANDARDS & PRODUCT TEST DATA:**

Classification: Terminal Blended Ground Whole Scrap Tire Rubber Modified Asphalt Cement

PROPERTY	TEST METHOD	RESULTS
Tire Rubber Content	Terminal Certification	10% Min.
Penetration 77°, 100g, 5 sec, dmm	ASTM D 36	15-35 PEN.
Solubility %	ASTM D 2042	98.5% Min.

1. Tests are conducted annually by independent certified laboratories.
2. Reference ASTM, ASMA and SealMaster specifications for asphalt emulsion sealcoats.
3. Residue by Evaporation of 25% diluted concentrate... 40% Min.
4. Adapted for sealcoat from ISSA (Slurry Seal) test. Calculated weight loss percentage after one hour water soak.
5. No cracking, chipping, surface distortion or loss of adhesion. No color fading or lightening.

**MasterSeal MTR consumes 5 recycled tires in every 1,000 gallons**



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Environmentally Friendly & Safe  
Contains No Cutbacks, Solvents, or Coal Tar.

