SealMaster®
Pavement Products & Equipment

MasterSeal™ MTR
Pavement Sealer

SMT - 116 | SealMaster/Los Angeles | Date: 8/08

1. PRODUCT NAME

MasterSeal MTR
Pavement Sealer

2. MANUFACTURER

SealMaster®/Los Angeles
4600 Littlejohn St.
Baldwin Park, CA 91706
Phone: 877-331-7325
Fax: 626-338-3402
www.sealmastersocal.com

Additional Plant Locations:
SealMaster has a nationwide network of manufacturing and distribution facilities.

Phone us at 1-800-395-7325 or visit our website at www.sealmaster.net to find the location near you.

3. PRODUCT DESCRIPTION & BENEFITS

MasterSeal MTR is a mineral filled asphalt emulsion modified with hot blended, ground whole tire rubber asphalt cement for superior performance. MasterSeal MTR is formulated to be job-mixed with water and additional aggregate (if desired).

Basic Uses: MasterSeal MTR is designed to beautify and protect asphalt pavement surfaces including parking lots, airports, driveways, shopping malls, roadways, and more.

Composition: MasterSeal MTR is a mineral filled asphalt emulsion pavement sealer modified with hot blended, ground whole tire rubber asphalt cement for superior performance. MasterSeal MTR is fortified with special surfactants to promote superior adhesion and durability.

Sizes: MasterSeal MTR is available in 4,000 gallon bulk tankers, 55-gallon drums, and 5-gallon pails.

Color: MasterSeal MTR dries to a deep, rich black color.

Limitations: MasterSeal MTR shall not be applied when temperature is expected to drop below 55°F at any time within a 24 hour period after application.

4. TECHNICAL DATA

MasterSeal MTR meets the performance standards of ASTM D-2939.

Environmental Considerations: MasterSeal MTR does not contain asbestos. MasterSeal MTR is an environmentally friendly water based pavement sealer containing less than 100 grams per liter volatile organic content (VOC).

Physical/Chemical Properties:
MasterSeal MTR is a premium quality pavement sealer that meets the following material requirements when tested in accordance with ASTM D 2939, ASTM G 154, and ISSA TB-100.

5. INSTALLATION

Surface must be clean and free from all loose material and dirt. Pavement surface repairs should be made with a suitable hot or coldasphalt mix. Cracks should be filled with SealMaster hot pour or cold applied crack fillers. Treat all grease, oil, and gasoline spots or stains with SealMaster Petro Seal™ or Prep Seal™.

Methods: MasterSeal MTR shall be applied by either pressurized spray application equipment or self-propelled squeegee equipment. Pressurized spray equipment shall be capable of spraying pavement sealer with sand added. Equipment shall have continuous agitation or mixing capabilities to maintain homogeneous consistency of pavement sealer mixture throughout the application process. Self-propelled squeegee equipment shall have at least 2 squeegee or brush devices (one behind the other) to assure adequate distribution and penetration of sealer into bituminous pavement. Hand squeegees and brushes shall be acceptable in areas where practicality prohibits the use of mechanized equipment.

Mixing Procedures:
- For optimum results, MasterSeal MTR shall be mixed in accordance with the following mix design (based on 100 gallons for ease of calculation):

MasterSeal MTR.....100 gals.
Water.....15 gals.
Sand*.....up to 300 lbs.
*(40-70 mesh AFS rating)

IMPORTANT: The above mix design is a typical recommendation. Alternative mix designs may be substituted to account for local pavement conditions.

Application: For optimum performance and durability apply two coats of properly mixed MasterSeal MTR. A third coat of mixed MasterSeal MTR may be applied to high traffic areas such as entrances, exits, and drive lanes.

Application Rate of Mixed MasterSeal: Apply properly mixed MasterSeal MTR (MasterSeal MTR, Water, Sand, Additive) at a rate of .11 to .13 gallon per square yard (70-82 square feet per gallon) per coat.

Estimating Material Requirements: To estimate gallons of MasterSeal MTR required to cover a specific area, use the following coverage rate:
• One gallon of MasterSeal MTR will cover approximately 100-120 square feet (11.1 to 13.3 square yards) per coat when properly mixed and applied.

Note: Coverage rates may vary due to pavement age and porosity.

Precautions: Both surface and ambient temperature shall be a minimum of 55°F. Temperature shall not drop below 55°F in a 24 hour period following application. New asphalt surfaces should be allowed to cure a minimum of four weeks under ideal weather conditions (70°F) before applying MasterSeal MTR. Keep Out Of Reach Of Children. Do not store unopened drums or pails in freezing temperatures.

7. WARRANTY

SealMaster Industries warrants that MasterSeal MTR meets the chemical composition and performance requirements set forth in section 4. Liability to the buyer or user of this product is limited to the replacement value of the product only.

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8. MAINTENANCE
Periodic cleaning of parking lot surface will ensure optimum product service life.

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www.sealmaster.net

Applicable Standards and Product Test Data on Finished Emulsion

Classification .....Asphalt Emulsion
Flammability .....Non-Flammable
Flash Point.....None
Color.....Black when dry

Classification - Emulsified Bitumens/Asphalt Emulsion

Test Method	Property	Results
ASTM D 2939.08	Residue by Evaporation %	55%/min.
ASTM D 2939.07	Weight per gallon 25°C	10 lbs./gal min.
ISSA (TB-100)	Wet track abrasion	Less than 5% loss
ASTM G 154	Accelerated weathering test	Pass (1,000 hrs.)
Manufacturing controls	Aggregate Content	3 lbs./gallon
ASTM D 2939.05	Material uniformity	Pass
ASTM D 2939.12	Flash point	Pass/None
ASTM D 2939.13	Drying time	Pass
ASTM D 2939.14	Resistance to heat	Pass
ASTM D 2939.15	Resistance to water	Pass
ASTM D 2939.16	Flexibility	Pass
ASTM D 2939.19	Wet flow	Pass
ASTM D 2939.23	Resistance to volatilization	Pass
ASTM D 2939.22	Wet film continuity	Pass
ASTM D 2939.26	Resistance to impact	Pass

Applicable Standards and Product Test Data on the Ground Whole Tire Rubber Modified Cement

Classification - Ground Whole Tire Rubber Modified Asphalt Cement

Test Method	Property	Results	
		Min.	Max.
Terminal Cert.	Ground whole tire rubber %	10%	
ASTM D 5	Penetration 77°, 100g, 5 sec, dmm	15	55
ASTM D 36	Softening Point, °F	130	160
ASTM D 2042	Solubility % (3 set average)	98.5	

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