

1. PRODUCT NAME
 Liquid Road

2. MANUFACTURER
 SealMaster has a nationwide network of manufacturing and distribution facilities.

Phone: 800-395-7325
 www.sealmaster.net

3. PRODUCT DESCRIPTION & BENEFITS

Liquid Road is a high performance mineral and fiber reinforced asphalt emulsion blended with polymers and special surfactants for superior adhesion, flexibility, and durability. Liquid Road replenishes the binder that is lost through oxidation and weathering, while providing a slip resistant durable surface treatment. Liquid Road's deep, rich black color gives old, oxidized pavement a "like new" surface that melts snow and ice faster, and reduces cleaning and maintenance costs.

Basic Uses: Liquid Road is ideal for secondary roads, county roads, and residential streets. Liquid Road may also be used on off-street parking areas as a premium surface coating. Liquid Road produces an even textured surface that is ideal for vehicle, bicycle, and pedestrian traffic.

Composition: Liquid Road is a high solids polymer-modified, fiber reinforced clay stabilized asphalt emulsion fortified with special surfactants to promote superior adhesion and durability. Liquid Road is job mixed with select aggregate to produce a superior skid-resistant wearing surface.

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

Color: Liquid Road dries to a deep, rich black color.

Limitations: Liquid Road shall not be applied when temperature is expected to drop below 50°F at any time within a 24 hour period after application.

4. TECHNICAL DATA
 ASTM Test Methods:
 • D-140 Sampling of Bituminous Materials
 • D-466 Methods of Testing Film Deposits from Bituminous Emulsions
 • B-117 Salt Spray (FOG) Testing
 • D-529 Recommended Practice for Accelerated Weathering Test Of Bituminous Materials
 • D-2939 Bituminous-Base Emulsions for use as Protective Coatings

Environmental Considerations: Liquid Road does not contain asbestos. Liquid Road is an environmentally friendly water based pavement sealer containing less than 15 grams per liter volatile organic content (VOC).

Physical/Chemical Properties: Liquid Road is a polymer modified, clay stabilized asphalt emulsion fortified with special surfactants.

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 cold asphalt mix. Cracks should be filled with SealMaster hot pour or cold applied crack fillers.

Methods: Liquid Road shall be applied by specialized spray application equipment or self-propelled squeegee/brush equipment. 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 liquid road mixture throughout the application process. Self-propelled squeegee/brush equipment shall have at least 2 squeegee or brush devices (one behind the other) to assure adequate distribution and penetration of Liquid Road 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 Liquid Road shall be mixed in accordance with the following mix design (based on 100 gallons for ease of calculation):
 Liquid Road.....100 gallons
 Sand (20-30 mesh AFS).....400 lbs.

NOTE: If required, a small amount of water may be added to facilitate application of the mix.

TEST	SPECIFICATIONS	RESULT
Material	Material shall be homogenous and show no separation or coagulation that cannot be overcome by moderate stirring.	PASSES
Chem. & Physical Analysis		
- Non Volatiles %	41-46%	PASSES
- Ash Non Volatiles %	35 - 55	PASSES
- Specific Gravity 25°C	1.25 Minimum	PASSES
Drying Time	8 Hr. Max.	PASSES
Adhesion & Resistance to Water	No Penetration or Loss of Adhesion	PASSES
Resistance to Heat	No Blistering or Sagging	PASSES
Flexibility	No Cracking or Flaking	PASSES
Resistance to Impact	No Chipping, Flaking or Cracking	PASSES

Liquid Road™

Bituminous Surface Treatment

Application: For optimum performance and durability apply two coats of properly mixed Liquid Road.

Application Rate of Mixed Liquid Road: Apply properly mixed Liquid Road (Liquid Road, Sand, Water - if needed) at a rate of .17 to .20 gallon per square yard (45-55 square feet per gallon) per coat.

Estimating Material Requirements: To estimate gallons of Liquid Road required to cover a specific area use the following coverage rate:

- One gallon of Liquid Road will cover approximately 55-66 square feet (6 to 7.5 square yards) per coat when properly mixed and applied.

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

Precautions: Both surface and ambient temperature shall be a minimum of 50°F. Temperature shall not drop below 50°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 Liquid Road. Keep Out Of Reach Of Children. Do not store unopened drums or pails in freezing temperatures.

6. AVAILABILITY & COST

Availability: Liquid Road is supported by a nationwide network of SealMaster manufacturing facilities along with a national network of qualified applicators.

Cost: Cost information can be obtained from a local Liquid Road applicator. Contact SealMaster for the Liquid Road representative in your area.

7. WARRANTY

SealMaster warrants that Liquid Road 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.

8. MAINTENANCE

Periodic pavement sweeping will ensure optimum product service life.

9. TECHNICAL SERVICES

Manufacturer: Complete product specifications, material safety data sheets, and technical assistance is available from SealMaster.

Professional Applicators: Your local Liquid Road applicator is available to provide on-site inspections and recommendations to meet your specific needs.

10. FILING SYSTEMS

- Sweet's Catalog
- Sweet's CD
- Sweet's Online
- Sweet's Directory
- SealMaster Online Specification at www.sealmaster.net
- Complete SealMaster Product and Equipment Catalog Available

The statements made on this specification sheet are believed to be true and accurate and are intended to provide a guide for approved application practices. As workmanship, weather, construction, condition of pavement, tools utilized, and other variables affecting results are all beyond our control, the manufacturer 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. The manufacturer expressly disclaims any implied warranties of merchantability or fitness for a particular purpose. Warranty is void on multi-coat applications if material made by other manufacturers is used with this product.

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Phone: 1-800-395-7325

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Pavement Products & Equipment