

# AQUAPHALT™—SUSTAINABLE COLD MIX

## TECHNICAL DATA SHEET

**Manufactured by:** RoadStone Production LLC, 1230 River Road, Charlottesville, VA 22901

### Product Description:

Aquaphalt™ is a revolutionary, high performance, flexible, reactive cold mix asphalt repair product for use in repairing asphalt and concrete road surfaces. Aquaphalt™ reacts with plain water to provide a permanent repair solution. All sizes of Aquaphalt™ are free of solvents or volatile organic compounds (VOC's). Aquaphalt™ comes in four (4) sizes (4.0mm, 6.0mm, 9.0mm) for surface, intermediate or base repairs for any type of asphalt or concrete road repair.

**Applications:** Highways (asphalt or concrete), Runways/Taxiways/Aprons, Bridge Decks, Manhole repairs, Potholes, Utility Cuts, Parking Lots, Driveways, Tennis Courts, Pathways

### Performance Features:

**Permanent Solution** – Aquaphalt™ is stronger than typical hot mix asphalt pavements and unlike other conventional cold patch asphalt products which never deliver a truly permanent repair.

**Cost Effective** – Aquaphalt™ saves time and money by eliminating costly repeat repairs.

**Environmentally Sustainable** – Aquaphalt™ contains no toxic solvents of VOC's, making it friendlier to the environment.

### Material Specifications:

**AGGREGATES:** All of the aggregate materials are a crushed granite and are from an approved Virginia DOT source. All of the aggregate materials are from a non-polishing source and have the following properties:  
ASTM C-127,128                      Specific Gravity    3.0% Max.

<u>Gradation Analysis:</u>	<u>Sieve Sizes</u>	<u>4.0mm % Passing</u>	<u>6.0mm % Passing</u>
	1/2" Sieve	100	100
	3/8" Sieve	99.89	100
	#4 Sieve	95.14	85-100
	#8 Sieve	65.40	20-55
	#16 Sieve	42.69	12-32
	#200 Sieve	7.56	3-6

<u>Gradation Analysis:</u>	<u>Sieve Sizes</u>	<u>9.0mm % Passing</u>
	1/2" Sieve	100
	3/8" Sieve	85-100
	#4 Sieve	35-60
	#8 Sieve	15-35
	#16 Sieve	14-25
	#200 Sieve	3-6

**BINDER:** **Reactive Binder** is a further development of the "Raps-Asphalt" technology. "Raps-Asphalt" is a plant based binder with bitumen, a naturally occurring Organic byproduct of organic materials represents a total weight of approximately 5-8% of the finished product; this binder contains natural rape seed oil which improves stability. The binder of – Aquaphalt™ is a proprietary liquid that similarly contains renewable natural raw materials.

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### Directions for Use:

Remove all loose material from area to be repaired. Place Aquaphalt™ in the patch and level with a rake or trowel. Allow 0.5"-1.0" additional height for compaction. Saturate with water and compact. If the depth of the pothole is greater than 2-3", it is advisable to fill the hole in two layers.

### Clean Up:

Use Automotive hand cleaners on hands and tools may be cleaned with light oil, mineral spirits or vegetable oil.

### Storage and Handling:

Each bucket of Aquaphalt™ contains approximately 55 lbs of material. Store Indoors in cool, dry conditions. Avoid direct sunlight and/or exposure to freezing. Aquaphalt™ can be applied in freezing conditions, but workability is best when it is stored indoors.

### General Advice:

Aquaphalt™ hardens quickly for immediate use. After water is applied, Aquaphalt™ will start to cure in 15 minutes and can be opened to traffic immediately. The reactive process happens relatively quickly and Aquaphalt starts to get hard and in most cases will be fully cured in 24 hours.

Since Aquaphalt™ does not release any harmful VOC's it can be sealed 24 hours after installation.

### Guarantee:

RoadStone Production LLC, a Virginia limited liability company (RSP), provides an **unlimited "CURING GUARANTEE"** to the Customer that Aquaphalt™ product[s], produced by RSP LLC, and sold by its authorized Distributors will cure, upon proper installation – as directed in written form by the manufacturer and applicable standards – within a reasonable time frame (24 hours to 120 hours) from the date of installation.

See website for more details. [www.aquaphalt.com](http://www.aquaphalt.com)