

# Waterproofing Pavement Crack Sealer

## Pourable Grade



### DESCRIPTION

Waterproofing Pavement Crack Sealer combines the elastic properties of a modified latex with the weatherproofing and waterproofing qualities of a highly refined emulsified asphalt.

Waterproofing Pavement Crack Sealer is normally used in the in the Instacoat Seal Coating Preservation System but can also be used as a stand alone product when seal coating is not required.

### FEATURES & BENEFITS

- **ENVIRONMENTALLY FRIENDLY** - Water based material that contains no VOC's, so no special ventilation or heat is required.
- **ELONGATION & RECOVERY** - Has excellent elongation and recovery which allows for thermal expansion and contraction.
- **ADHESION** - Has superior adhesion
- **ECONOMICAL** - Due to the minimal preparation and ease of application.
- **MULTIPLE GRADES** - Available in two grades: Pourable Grade for horizontal applications and Trowel Grade for sloped and vertical applications.

## Trowel Grade



### AVAILABILITY

**Pourable Grade** - Available in 1 gallon (3.78 liters), 5 gallon (18.93 liters) pails, 55 gallon (208.2 liters) drums upon request.

**Trowel Grade** - Available in 1 gallon (3.78 liters), 5 gallon (18.93 liters) pails.

### Coverage Rate

The coverage rates will vary depending on the depth and width of the crack or cracks. One gallon will fill a crack 1/4" x 1/4" x 150 lineal feet (6.5 mm x 6.5 mm x 45.72 lineal meters)

# Technical Data

## Preparation

All cracks should be free from any oils, greases, dirt, sand or other foreign material. These should be removed prior to application by means recommended by the manufacturer. Any cracks more than 1/4" in depth shall be filled with appropriate backer rod or other filler recommended by the manufacturer. Any Cracks wider than 1" (2.45 cm) should be repaired using an appropriate patch materials. Contact IPP for recommendations.

## Application

The Pourable Grade is applied by pouring directly in the prepared crack. A squeegee or trowel can then be used over the crack to smooth the material. The Pourable Grade can be reinforced using by embedding a reinforcing fabric into the material. Application rates very depending on the size, length and particular job requirements.

The Trowel Grade is applied by placing the material in the crack using a trowel. Ensure to apply pressure to the material to remove any entrapped air. The Trowel Grade can be reinforced using by embedding a reinforcing fabric into the material. Application rates very depending on the size, length and particular job requirements.

## Cleaning

For the best performance clean all application tools using diesel fuel or equivalent after each use.

## Maintenance

No maintenance is required.

## Technical Services

Technical Services, specifications, and other information is available by contacting IPP.

## Limitations

Must be stored and applied at temperatures of 40° F / 4° C or above. Do not apply when rain is forecast within 24 after application.

TESTING		
TEST	TEST PROCEDURE	RESULTS
Elongation at Break	ASTM-D-3468	>400%
Recovery	ASTM-D-412	>70%
Tensile Strength	ASTM-D-412	Materials Did Not fail
Tensile	ASTM-D-413	2000 lbs./ft <sup>2</sup> Up-lift Force
Peel Strength	ASTM-903	Materials Did Not Peel
Puncture Resistance	ASTM-E-154	No Puncture
Water Absorption	ASTM-D-570	1.02% Max
Water Vapor Permeance	ASTM-E-96	.08 perms
Resistance to Hydrostatic Head	Calders Testers Hydro-Stand 10-30K	150 PSI
Soil Burial	ASTM-D-4068	Passed
Ash Content	ASTM-D-2939	2.98%
Direct Flame Test	ASTM-D-2939	Passed
Drying Time	ASTM-D-2939	Passed
Extensibility after heat aging	ASTM-C-836	¼ Inch stretch with no cracking
Flash point	ASTM-D-2939	>140°F
High Temp Aging	ASTM-E-240	>300% 48 days @ 76°F
Hydrostatic Pressure	ASTM-C-1306	16.67% over cracks
Low Temp Elongation	ASTM-D-412	>250%
Methane transmission	MOCON Multi Tran 400	<5 CC/(m <sup>2</sup> -day)
Uniformity	ASTM-D-2939	Pass
Wet Film Continuity	ASTM-D-2939	Pass
Freezing Resistance	ASTM-D-2939	Pass
Heat Resistance	ASTM-D-2939	Pass
Resistance To Volitization	ASTM-D-2939	0.84% Loss
Resistance To Kerosene	ASTM-D-2939	Pass
Residue By Evaporation	ASTM-D-2939	>60%
Resistance To Water	ASTM-D-2939	No signs of Re-emulsification
Puncture Resistance	ASTM-E-154	No Puncture @ Deflection. Max machine stroke reached
Impact Resistance	ASTM-D-2939	Pass
Impact Resistance after Accelerated Weathering	ASTM-D-2939	Pass
Salt Fog Exposure	ASTM-B-117	No Deterioration or failure
Adhesion To Masonry	ASTM-C-836	>5 lb/fin
Peel Strength asphalt	ASTM-D-903	>10 lb/fin
Peel Strength Concrete	ASTM-D-903	>12 lb/fin