

Performance Trowel Grade

DESCRIPTION

Performance Trowel Grade combines the elastic properties of a modified latex with the weatherproofing and waterproofing qualities of a highly refined emulsified asphalt.

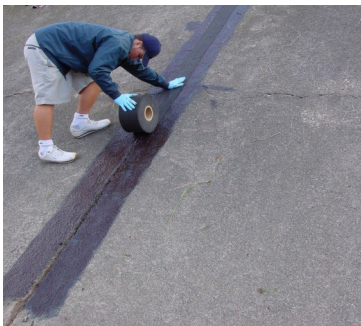
Performance Trowel Grade is normally used in the preparation procedures for the Spray Grade applications but can also be used as a stand-alone product for your smaller size projects.

FEATURES & BENEFITS

- **ENVIRONMENTALLY FRIENDLY** Water based material that contains no VOC's. No special ventilation is required.
- **ELONGATION & RECOVERY** Has excellent elongation and recovery which allows for thermal expansion and contraction.
- **ADHESION** Has superior adhesion to most construction materials.
- **CHEMICAL RESISTANCE** Has great chemical resistance to most non-petroleum based chemicals.
- **TOPCOAT** Can be coated with various types of topcoats for reflectivity and greater chemical resistance.
- **SELF-HEALING & SEALING** Will self-heal when cut and self-seal when punctured.
- **ECONOMICAL** Due to the minimal preparation and ease of application.

USES

- **WATERPROOFING** Above grade, below grade, and in-situ.
- **CONTAINMENT** Primary and secondary containment.
- **VAPOR BARRIER** Water and gas vapor barrier.
- **CIVIL** Erosion control, bridges, dams, tunnels.
- **LINERS** Ponds, tanks, fisheries.
- **CORROSION CONTROL** Tanks, seawalls, and pipes.
- **ROOFING** Preservation of various roofing materials.



Technical Data

TESTING

TESTING		
TEST	TEST PROCEDURE	RESULTS
Elongation at Break	ASTM-D-3468	>1,000%
Recovery	ASTM-D-412	>90%
Tensile Strength	ASTM-D-412	Materials Did Not fail
Tensile	ASTM-D-413	2000 lbs./ft ² 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 Transmission	ASTM-E-96	.08 Grains/Hr/ft ²
Permeance	ASTM-E-96	.46 Grains/Hr/ft ²
Resistance to Hydrostatic Head	Calder's Testers Hydro- Stand 10-30K	150 PSI
Class A Fire Rating ½": 12	ASTM-E-108-94	Passed
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	>500%
Methane transmission	MOCON Multi Tran 400	<5 CC/(m ² -day)
Noise Reduction	ASTM-E-1007	98% @ 205 mil
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 Volatilization	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 lbf/in
Peel Strength asphalt	ASTM-D-903	>10 lbf/in
Peel Strength Concrete	ASTM-D-903	>12 lbf/in
Peel Strength Foam	ASTM-D-903	>7.5 lbf/in Substrate failed
Peel Strength Steel	ASTM-D-903	>11 lbf/in
Peel Strength Wood	ASTM-D-903	>11 lbf/in
Peel Strength	ASTM-D-903	Did not Peel

COVERAGE RATES (DRY)

30 mil / .762 mm - 34.7 ft ² / 3.22 m ²	████████████████████
40 mil / 1.02 mm - 26.0 ft ² / 2.42 m ²	████████████████████
60 mil / 1.52 mm - 17.3 ft ² / 1.61 m ²	████████████████████
80 mil / 2.03 mm - 13.0 ft ² / 1.21 m ²	████████████████████
100 mil / 2.54 mm - 10.4 ft ² / 0.97 m ²	████████████████████
125 mil / 3.17 mm - 8.3 ft ² / 0.77 m ²	████████████████████



AVAILABILITY

Available in 1 gallon (3.78 liters) and 5 gallon (18.93 liters) pails.

Preparation

All surfaces should be free from any loose material, oils, grease or other foreign material. These should be removed prior to application by means recommended by the manufacturer.

All cracks, penetrations, existing seams, transitions, and corners should be addressed by incorporating polyester fabric with the Instacoat Premium Products Performance Roller/Brush or Trowel Grade. ¹

Application

The Performance Trowel Grade is applied using a trowel to form a monolithic seamless membrane. Application rates vary depending on particular job requirements. ¹

Cleaning

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

Maintenance

No maintenance is required.

Warranty

Warranty information is available by contacting Instacoat Premium Products.

Technical Services

Technical Services, specifications, and other information is available by contacting Instacoat Premium Products.

Limitations

Must be stored and applied at temperatures of 40° F / 4° C or above.

Footnotes

¹ For more detailed application and substrate preparation specifications and specific job requirements contact IPP.