

Industrial Grade Coal Tar Primer

Gas Vapor Barrier System – High Performance VOC Barrier System – Methane & High Performance Waterproofing System – Gas Venting System

DESCRIPTION

Industrial Grade Coal Tar Primer is a seamless, spray applied, water based membrane containing no VOC's that provides a barrier against coal tar vapor into structures. Install over coal tar roof substrate, vertical wall as a gas vapor barrier to minimize the migration of vapor and nuisance water into buildings and is also ideal for methane migration control. Utilize this spray application directly to penetrations, roofs, walls, etc., provides for a fully adhered gas vapor barrier system

FEATURES & BENEFITS

- **ENVIRONMENTALLY FRIENDLY** Water based material that contains no VOC's, so no special ventilation is required.
- **ELONGATION & RECOVERY** Has elongation 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.
- **TOP COAT** Can be coated with various types of top coats for greater chemical resistance.

USES

- **Roofing** Coal tar, vertical walls
- **WATERPROOFING** Above grade, below grade, and blindside.
- **CONTAINMENT** Primary and secondary containment.
- **VAPOR BARRIER** Water and gas vapor barrier.
- *Under slab & below grade vertical was gas vapor barrier, used to minimize vapor and nuisance water (non-hydrostatic conditions) migration into buildings*
- *Coal Tar*
- *Ideal for methane migration control*
- *Concrete water reservoir & tank liner used to prevent water seepage into concrete*

AVAILABILITY

Spray Grade - 55 gallon (208.2 liter) drums and 275 gallon (1041 liter) totes.

Industrial Grade is a special order material which requires a 15 day lead time.

Smoke Testing

For Gas Vapor Barrier Systems

A smoke test is a method of ensuring that a membrane is free of holes. Smoke is pumped under the membrane for a specified period of time while the surface of the membrane is observed for minuet holes where the smoke is clearly visible. During the smoke test any holes detected can immediately be repaired. This process has been found to be highly successful. The smoke testing process assures engineers, developers and owners alike that they are getting a fully tested, gas tight membrane installation.

Certified Installers & Inspectors

In any proper gas vapor barrier system installation, it is important to perform QA/QC measures to ensure successful installations. IPP maintains a nationwide network of certified installers and inspectors that are trained in the property installation and inspection procedures of a IPP gas vapor barrier system.

Technical Services

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

WARRANTY

Warranty information is available by contacting Instacoat Premium Products.



**5920 Huron Avenue
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**877-552-6724
www.instacoat.com**

Technical Data

TESTING

TESTING		
TEST	TEST PROCEDURE	RESULTS
Elongation at Break	ASTM-D-3468	>400%
Tensile Strength	ASTM-D-412	Materials Did Not fail
Tensile	ASTM-D-413	2800 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	Calders 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	2.36%
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	19.97% over cracks
Low Temp Elongation	ASTM-D-412	>200%
Methane transmission	MOCON Multi Tran 400	<5 CC/(m ² -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 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 / 3.22m ²	
40 mil / 1.02 mm - 26.0 ft ² / 2.42m ²	
60 mil / 1.52 mm - 17.3 ft ² / 1.61m ²	
80 mil / 2.03 mm - 13.0 ft ² / 1.21m ²	
100 mil / 2.54 mm - 10.4 ft ² / 0.97m ²	
125 mil / 3.17 mm - 8.3 ft ² / 0.77m ²	

PREPARATION

All surfaces should be free from any loose material, oils, greases 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 using a polyester or geo textile fabric and the Instacoat Premium Products Industrial Roller Grade.¹

APPLICATION

Spray Grade - The Industrial Spray Grade is spray applied with a catalyst using specialized equipment to from a monolithic seamless membrane. 80 mils wet, 60 mils dry. Application rates vary depending the tip sizes used, the substrate, and particular job requirements.

Roller Grade - The Industrial Roller Grade is applied using a roller or brush to the desired thickness. Application rates vary depending on the substrate and particular job requirements.

Mask off adjoining areas to protect from overspray.¹

CLEANING

Clean all application equipment using diesel fuel or equivalent after each use for the best performance.

MAINTENANCE

No maintenance is required.

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.

