

ADHINS™ UV Coat

DUCT & PIPE INSULATION VAPOUR BARRIER PROTECTIVE COATING



About

ADHINS™ - UV Coat is a high-quality aqua synthetic resin-based insulation coating that can be applied on the interior or exterior of insulated piping, air conditioning ducts, new or existing roofs, plastered walls, pipelines, storage tanks, under-deck, and over-deck of old and new PEB structures.

It provides protection against ultraviolet radiation, weather, water, and ozone damage and stops the penetration of heat/cold through the coated surface, which helps in reducing the interior temperature of the buildings by reflecting radiant heat energy and minimizing the surface temperature. When dry it forms a membrane that is tough, flexible, durable, water-resistant, and weather resistant. It is also suitable for areas where a clean, white aesthetic look is desired.

Application

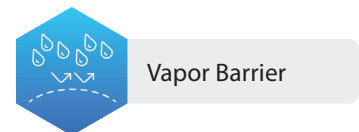
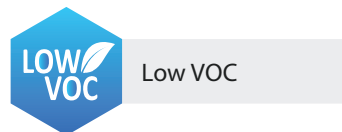
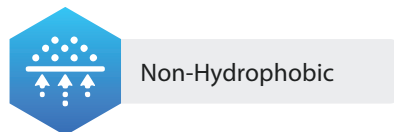
ADHINS™ - UV Coat is highly recommended to protect various rigid and elastomeric insulation from water, UV, fungal, and mechanical damages. It can be easily applied with a brush over elastomeric insulation like polyolefin, closed-cell Nitrile sheet, cross-link polyethylene, PU foam and glass wool, expanded & extruded polystyrene, and similar insulation systems.

Drying Time

The drying time of **ADHINS™ - UV Coat** is 4 Hours (ASTM C679) depending on temperature, humidity and application thickness. It takes 24-72 Hours to be fully cured.

Salient features of ADHINS™ - UV Coat

- ◆ Suitable for both indoor and outdoor applications
- ◆ Provides a clean, white, protective finish that guards against UV and ozone damage.
- ◆ Water-based, 100% acrylic and fast drying
- ◆ Cleans up with soap and water.
- ◆ Reduces interior temperature of the building
- ◆ Cuts down costs by reducing energy consumption in cooling.
- ◆ Excellent Weathering Property
- ◆ Excellent Water Resistance
- ◆ Excellent Fungal Resistance
- ◆ Non-Marine Pollutant Temperature Resistance
- ◆ Solvent free
- ◆ Prolongs product life
- ◆ Specially formulated for Paramount® Insulation
- ◆ Low VOC, LEED compliant
- ◆ Ready to apply right out of the container
- ◆ Preferred by the users dealing only in quality works

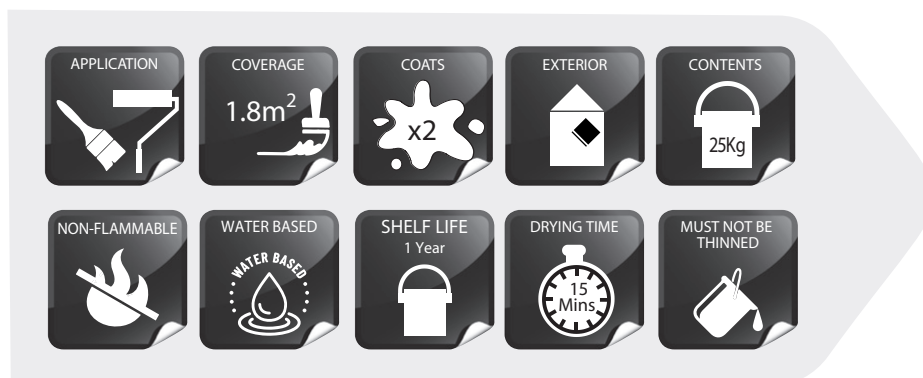


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TECHINCAL DETAILS

| Sr. No. | Properties | Typical Data | |
|---------|---|--|-------------------|
| 1 | Appearance | White (can be tinted in any color) | |
| 2 | Viscosity at 30°C (By Brookfield viscometer) | 30000 – 50000 CPS | |
| 3 | Density | 1.5 ±0.1 | |
| 4 | Solid by weight | 65 ±5% | |
| 5 | Water resistance | Excellent | |
| 6 | Service temperature range | -20 to +110°C | |
| 7 | Clean-up with | Water | |
| 8 | Flash Point | Non-flammable no flash to boiling | |
| 9 | Dry time/ Tack free | 4 Hours (ASTM C679) depending on temperature, humidity and application thickness. It takes 24-72 Hours to be fully cured | |
| 10 | Theoretical Coverage | 1.5-1.8 m ² /Kg | |
| 11 | Class 1 - Spread of Flame | BS 476 Part 7 | |
| 12 | Class O - Fire Propagation | BS 476 Part 6 | |
| 13 | VOC Content | '0' as per ASTM D3960 | |
| 14 | Flammability | Non-flammable | |
| 15 | UV resistant - ASTM E 424 | UV Name | Blocking % |
| | | UV A-Long wave (Black Light) UV | 100 |
| | | UV B-Medium wave UV | 100 |
| | | UV C-Short Wave (Germicidal) UV | 100 |
| 16 | Water Permeance (perms) | Tested as per ASTM-E 96 | |
| 17 | Surface burning Characteristic | Tested as per ASTM-E 84 | |
| 18 | Defacement By Fungal Growth | Tested as per ASTM D 5590 | |
| 19 | Water Absorption | ASTM D 2842 | |
| 20 | Resistance to wind-driven rain | ASTM D 6904 | |



VISIT OUR WEBSITE

www.paramountinsulation.in
sales@paramountinsulation.in

+91 9810363888
 Customer Care: 011-47060000 (30 lines)