

TECHNICAL DATA SHEET

Description:

OzoProtect KR is most economical grade, 100% acrylic polymer based concrete roof/terrace coating specifically engineered to reduce internal temperature of buildings thus increasing the comfort zone and standard of living conditions for occupants.

Product Features:

- ✓ Temperature: 10 to 15°C
- ✓ Energy cost saving for Air-Conditioned Building : Up to 20%
- ✓ Solar Reflective Index (SRI) Value : 108

Typical Applications:

- ✓ Roofs & Terrace
- ✓ Basements
- ✓ Asbestos roofs
- ✓ Aluminum Sheet Roofs

- ✓ Commercial Buildings
- ✓ Sheds
- ✓ Mobile Modular Homes
- ✓ Weather resistant membrane

- ✓ Walking decks & balconies
- ✓ Stair ways & pool area
- ✓ Green Buildings



Typical Properties

Properties	Unit	Standard	Values
Color	~	ASTM D 1544	Pastel, Tint, Deep, Accent bases and brilliant White
Specific Gravity	~	ASTM D 792	1.2
Viscosity	cps@25oC	ASTM D 1200-10	10-15
Mix Ratio	Parts by weight	Manual	Single
Ph Value	~	ASTM D 1293	6-7
Functional Cure	hrs	ASTM D 1640	24 hrs
Water Absorption	%	ASTM D 570	0.2
Solid Content	%	ASTM D 1353	40-50
Cured Hardness	shore D	ASTM D 2240	80
Bond Strength /Pull of Adhesion Strength	N/mm2	ASTM D 4541	3
Solar Absorption	%	ASTM E 1549	0.156
Solar Reflectance	%	ASTM E 1549	0.862
Thermal Emittance	--	ASTM C 1371	0.89
Solar Reflective Index (SRI)	--	ASTM E1980	109
Thermal Conductivity @20 c	W/ m C	ASTM E 1125-04	0.1
Abrasion Resistance	No Cycles	ASTM D1044	5000
Accelerated Weathering Test	hrs	ASTM G-155	1800
Coverage	Kg/Sq.m/Thick/ No .of Coats	~	56 Sq.m / 20 kg / 100 mic / 2 coats
Application Temperature	° C	~	0-35C

APPLICATION INSTRUCTIONS

Surface Preparation

- ✓ Brush away loose contamination on the substrate to be coated.
- ✓ Bio-wash for killing fungus where necessary
- ✓ Roughen surfaces by wire brush manually.
- ✓ All surfaces must be clean and free from laitance, dust, dirt, oil and grease.
- ✓ Please check Moisture level and pH level in walls/roof/terrace/ceilings. The moisture level should be below 12% and pH should be in the range 7-9.

Mixing

- ✓ Turn pails upside down 8 hours prior to application. This will allow coating to become softer and easier to mix.
- ✓ Thoroughly mix the contents of containers using stirrer/mixer. Over-Mixing more than 5 minutes may destroy particles, thereby reducing insulating capabilities.
- ✓ Thinning/Dilution of the material using water is not recommended.
- ✓ Stir the paint occasionally before each use.

Product Application

- ✓ The surface should be moist/water wash before application. However avoid puddling/ponding of water.
- ✓ Apply first coat with brush on the cleaned and washed surface.
- ✓ Apply second coat after a gap of 1-2 Hours.
- ✓ After completion of full coating, it should be allowed to cure for 24 hrs. Drying time may vary due to temperature / humidity and surface condition.
- ✓ Ensure that the coated area does not come in contact with water for at least one hour.
- ✓ Apply with a quality brush, or roller.
- ✓ For best results, Apply when surface and ambient temperatures are above 13°C and below 32°C.
- ✓ After completion of full coating, it should be allowed to cure for 24 hrs. Drying time may vary due to temperature / humidity and surface condition.

Coverage: 56 Sq.m / 20 kg / 100 mic / 2 coats

Application Equipment

Equipment needed for Spray Application

Application Equipments:

Listed below are the general equipment guidelines for the application of this product.

Airless Sprayer:

Pump Ratio: 33:1 or larger

Volume: 1.5 gpm (5.7 lpm) or greater

Hose: 3/8" or larger with no more than 3' of 1/4" whip. 1/2" hose recommended for Length above 50'.

Tip Size: 0.017" (for tight spots)

0.019–0.023" (normal use)

Pressure: Minimum of 3,000 PSI

Small Spray Applications:

Please consult Monarch for the Small Application Sprayer. It is excellent for small applications and touch-ups.

Brush:

Brushing is only recommended for touch-up of less than 0.5 ft² (0.04 m²). Brushing can inhibit coating performance. Please consult Monarch for detailed brushing instructions.

Limitations

- ✓ Not recommended for immersion conditions.
- ✓ Not to apply the product below 15°C and above 40°C

LIMITED WARRANTY NOTICE

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Product Order Information

Product Name: OzoProtect KR **Product Code :** 11201 **Product Pack Size :** 20Kg