

TECHNICAL DATA SHEET

OzoProtect TC is a water-based, high solids, acrylic latex elastomeric coating reducing the heat loading into a buildings up to 40%. This highly effective radiant barrier, heat reflecting roof coating paint is designed for maximum thermal efficiency, high reflectivity, ultra violet resistance and years of trouble free service. It is most versatile product for concrete roof / terrace applications for effective heat reflection and insulation.

Product Features

- ✓ Typical Reduction in Roof Temperatures
- ✓ RCC terraces: 10°C to 15°C
- ✓ Asbestos cement sheets: 15°C to 20°C
- ✓ GI or powder coated sheets: Up to 25°C

Typical Applications:

- ✓ Roofs & Terrace
- ✓ Basements
- ✓ Asbestos roofs
- ✓ Aluminum Sheet Roofs
- ✓ Warehouses
- ✓ Corrosion Under Insulation (CUI)

- ✓ Commercial Buildings
- ✓ Sheds
- ✓ Mobile Modular Homes
- ✓ Weather resistant membrane
- ✓ Wood & concrete
- ✓ Air-Conditioned Building
- ✓ Mobile Homes

- ✓ Fabric embedded membrane
- ✓ Refrigerated Cold storage Facilities
- ✓ 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	1.1
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	0.15
Solid Content	%	ASTM D 1353	50-55
Cured Hardness	shore D	ASTM D 2240	80
Bond Strength /Pull of Adhesion Strength	N/mm2	ASTM D 4541	3.5
Solar Absorption	%	ASTM E 1549	0.148
Solar Reflectance	%	ASTM E 1549	0.88
Thermal Emittance	--	ASTM C 1371	0.913
Solar Reflective Index (SRI)	--	ASTM E1980	112
Thermal Conductivity @20 c	W/ m C	ASTM E 1125-04	0.09
Abrasion Resistance	No Cycles	ASTM D1044	5000
Accelerated Weathering Test	hrs	ASTM G-155	2000
Coverage	Kg/ Sq. m/ Thick/ No .of Coats	~	56 Sq.m / 20 kg / 100 mic / 2 coats
Application Temperature	° C	~	0-35 C

APPLICATION INSTRUTIONS

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 p^H level in walls/roof/terrace/ceilings. The moisture level should be below 12% and p^H 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: Ozo Protect TC **Product Code :** 11202 **Product Pack Size :** 20Kg