

INDIAN INSULATION & ENGINEERING

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TECHNICAL SPECIFICATIONS OF COOLROOF® HIGH ALBEDO / HEAT REFLECTIVE / HIGH SRI PAINT

Technical Specifications:

Physical Appearance :	Milky White
Coating type	Heat insulating paint
Solar Reflectance 0.95	As per ASTM C 1549 as per LEEDS standards
Thermal Emittance 0.91	Thermal Emittance as per ASTM C1371 as per LEEDS standards
SOLAR REFLECTIVE INDEX (SRI) As per ASTM-E 1980	122 as per ASTM / LEEDS standards
Indian Green Pro Certified	IGBC Green Pro Certified vide Certification number GPII 54001
GRIHA approved	GRIHA Approved Product
Volatile Organic Contents (VOC)	Extremely Low less than 10cc/gm
Toxicity :	Non toxic
Water Absorption :	Water proof coating
High Humidity:	No penetration of water, no loss of adhesion, no blistering, cracking or flaking.
Fungus Resistance	No fungi development
Impact Resistance	56 inch/pound
Chemical Resistance	Stable in mild alkali acid and solvent
Fire resistance :	Not flammable
Adhesion Strength :	40pound/square inch
Abrasion Resistance :	0.5gm/1000 cycle
Solids by weight	50%
Dry film thickness	150 to 200 microns for applied 3 coats i.e 1 Coat of Primer and 2 top coats of COOLROOF® Paint
Dry Touch @ 30 °C	60 min
Recoating time @ 30 °C	After 4 hour
Curing Mechanism	At ambient temperature paint cures by evaporation of water & coalescence of polymer particles
Viscosity	10 poise
pH	7 to 8
Service Temperature	100 degree centigrade
VOC	Less than 10cc/gm