

Indian Insulation & Engineering

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

Technical Specifications:

Physical Appearance :	White
Coating type	100% pure acrylic base 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 standards as per ASTM E 1980
GRIHA APPROVAL	Approved by GRIHA Council
IGBC APPROVAL- GREEN PRO CERTIFIED PRODUCT	IGBC GREEN PRO CERTIFICATION NO GPII54001
Volatile Organic Contents (VOC)	Less than 10 cc/gm
Toxicity :	Non toxic
Water Absorption :	Water proof coating
High Humidity:	No penetration of water
Fungus Resistance	No fungi development
Impact Resistance	56 inch/pound
Chemical Resistance	Stable in mild alkali acid and solvent
Fire resistance :	Non flammable
Combustibility	Non combustible
Toxicity	Non Toxic ,Eco Friendly
Adhesion Strength :	40pound/square inch
Abrasion Resistance :	0.5gm/1000cycle
Number of coats :	2 coats
Solids by weight	50% aprox
Dry film thickness	110 microns for 2 coats when applied
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