

MEHS COOLROOF™

Heat Reflective Paint

Takes the heat out



Heat Reflective
High SRI 122
High Albedo Paint

Technical Information

Physical Appearance-	Milky white
Solar Reflective Index (SRI) ASTM E 1980	122
Coating type	100% pure acrylic base heat insulating paint
Solar Reflectance tested as per ASTM C1549	0.95
Thermal Emission tested as per ASTM C1371	0.91
Volatile Organic Contents (VOC)	Extremely low 1.34 gm/ltr.
Service Temperature	100 °C
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"/pound
Chemical Resistance	Stable in mild Alkali acid and solvent
Fire resistance	Not flammable
Adhesion Strength :	40pound/square inch
Abrasion Resistance :	0.5gm/1000cycle
Number of coats :	2 coats
Solids by weight	50%
Dry film thickness	55 micron/coat
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

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MEHS Chem Industry
Constructing better tomorrow

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

Technical Specifications:	Values
Physical Appearance :	Milky white
Coating type	100% pure acrylic base heat insulating paint
Solar Reflectance	As per ASTM C 1549 as per LEEDS standards
Thermal Emittance	Thermal Emittance as per ASTM C1371 as per LEEDS standards
SOLAR REFLECTIVE INDEX (SRI) As per ASTM-E 1980	122 as per LEEDS standards
GRIHA APPROVAL	Included in Approved GRIHA Product Catalogue
IGBC APPROVAL- GREEN CERTIFIED PRODUCT	Included in Approved Product Directory of IGBC
Volatile Organic Contents (VOC)	Less than 10 cc/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/1000cycle
Number of coats :	2 coats
Solids by weight	50%
Dry film thickness	55 micron/coat
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