



Star Cool Shield

Nano Technology based heat Reflective & Insulative Coating

Technical Data Sheet

Solar Reflectance Index	: 130 as per ASTM E 1980
Solids by Weight	: 65% (+ 2%)
Solids by Volume	: 50% (+ 2%)
Thermal Emmittance	: 0.99 as per ASTM C 1371
Solar Reflectance	: 1.00 as per ASTM C 1549
Resistance to Heat @125	: No change as per IS 101 (P-7, Sec-3) 1990
Volatile Organic Compound(VOC)	: 0.98 gm/ltr as per ASTM D 3960
Tensile Strength	: 0.878Mpa
Temperature Limits	: -18 degree to 80 degree Celsius
Elongation	: 200% (+20)@24 degree Celsius
Hardness	: 70 to 80 Shore A
Permeance	: 3.2 Perms @ 17 mils
Permeability	: 0.05 per inch
Crack Bridging	: Bridges Gap up to 1.6 mm
Radiation Value	: Infrared@90%UV@89%
Fire Resistance	: Class A, Non- Combustible
Explosively	: Non-Explosive
Heat Reduction	: 8 degree to 22 degree
Reduction In Chloride ion	: 90%
Coating Thickness	: 150-200 microns
Consistency	: Smooth & Uniform
Scratch Hardness	: No Scratch as per IS 101 (P-5/ Sec-2) 1988
Cross Cut adhesion	: No Peeling or removal of the film
Resistance to Liquid	: As per IS 101 (P-5/ Sec-2) 1990
i. Water	: No Remove Coating
ii. Sodium Nitrate	: No Remove Coating
iii. Ammonia Solution	: No Remove Coating
iv. Soap Solution	: No Remove Coating
v. Sodium Hydroxide	: No Remove Coating

Corp Off: R-1/88, 2nd Floor, Above ICICI Bank, R.D.C., Raj Nagar, Ghaziabad, U.P. - 201001

Branch Off: 2989/1 CA, Street No. 16, Old Ranjeet Nagar, Patel Nagar, New Delhi -110008.

Tel.: +91-11-30086111 (Consumer Helpline), **E.mail:** starshieldpaint@gmail.com, **Website:** www.starshield.in