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ASB
SINCE 1894

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**HEAT
REFLECTIVE**



**WATER
RESISTANT**



**PRESERVING
ENERGY**

Highly Recommended on the top of

- Metal, Asbestos Roofing Sheets
- All types of Concrete Roofs
- Roofs of Poultry and Animal Rearing Sheds
- Roofing of Factories
- Roof of Warehouses and Store Rooms
- Roof of Residential and Commercial Buildings

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Heat block

Heat Reflective Coating



Heat Block - The Heat Reflective Coating

All the materials used for construction of building absorb and transfer heat inside of the building all the day. In most countries, energy use in the buildings sector for heating or cooling represents about one third of the total energy consumption. Heat always flow from warmer side to cooler side. 80% to 95% of heat gain during summer and about 70% of heat loss during winter transferred through the walls, ceilings and roofs of the building by way of conduction and radiation. The conventional insulation only slows down the rate of heat transfer which after saturation cannot stop radiant heat.

ASB's Heat Block coatings reflects up to 98% of heat back to its source. Heat Block is a specialized heat reflective coating containing high strength, low density hollow ceramic microspheres and glass microspheres which keeps you cooler in the summer and warmer in the winter thereby reducing cooling cost during summer and heating cost during winter seasons. The load reduction of air conditioning or heater and corresponding electrical consumption save energy cost up to 40% all round year.



Heat Block - How to Apply

Step 1

Clean the surface with water.



Step 2

Fill the cracks with cement and allow it to dry.



Step 3

Stir the Heat Block mixture in the container. Apply this uniformly in one direction when the surface is in a tack free condition. **DO NOT** add water or any thinner.



Step 4

Leave it for two hours to allow the surface to become dry. Then apply the second coat in a perpendicular direction. The surface will be ready to use after four hours.



It is recommended to apply Heat Block coating before 11AM or after 3PM to get the best results.

Heat Block - Specifications

Property	Unit	Standard	Details
Base	-	-	Water Based Acrylic
Color	-	ASTM D 1544	Brilliant White
Viscosity	cps@250C	ASTM D 1200-10	1.2
Mix Ratio	Parts by weight	Manual	10-15
Solar Absorption	%	ASTM E 1549	0.156
Solar Reflectance	%	ASTM E 1549	0.862
Thermal Emittance	-	ASTM C 1371	0.89
Solar Reflective Index	-	ASTM E 1980	109
Thermal Conductivity @ 200C	W/m0C	ASTM E 1125-04	0.1
Abrasion Resistance	No of Cycles	ASTM D 1044	5000
Accelerated weathering Test	hrs	ASTM G 155	1800
Application Temperature	Kg/Sq.m/Thick	-	0-350C
Fungus Resistance	-	ASTM G 21-13	No Growth
Flame Spread Rate	-	ASTM E 84	Nil