

# Sun Shield

## Protective, Anti solar, Insulation coating

### Description

SUN SHIELD is a cold applied highly reflective bitumen based aluminum coating formulated with ductile, pliable bitumen emulsified in water and blended with highly polished aluminum flakes.

### Uses

SUN SHIELD is used to preserve, protect and beautify smooth asphalt/ modified bitumen and granulated roofs.

SUN SHIELD is used to protect metal structure and is an ant- rust and anti corrosion coating.

SUN SHIELD is used on asphalt roofs, metal walls, masonry walls etc. to reflect sun rays in order to reduce air conditioning costs in summer.

### Out Standing Features

- It is easy to apply requiring no heating.
- Highly reflective, reflecting upto 70% of the harmful sun rays, thus prolonging the life of bituminous roofs.
- Reduces surface temperature by as much as 10 °C thus reducing cooling cost.
- Cuts maintenance cost on roofs and walls.
- Pliable and Flexible, capable of withstanding thermal and structural movement in roofs and walls.
- Economical, High coverage rates, one Kg. covers upto 10 m<sup>2</sup>  
Easy to apply, Saves labour cost

### Application

Thoroughly clean the surface to be coated. All dirt, dust, scale, loose coating and rust must be removed and the surface must be dry before coating. On old metal and galvanized steel, remove rust and scale by wire brush. Over new galvanized steel, pre treat the surface with diluted muratic acid (5%).

It can be applied by paint brush, squeegee or air less spray equipment at the recommended

coverage rates. For best results all brush strokes shall be in one direction and atmospheric temperature shall be above 20°C. Apply one coat of SUN SHIELD diluted with 10% water(10 volume SUN SHIELD+ 1 volume water) . Thoroughly mix the coating before application and periodically during application.

### Cleaning

Clean the tools with water soon after application and thereafter with Kerosene oil when dry.

### Coverage

Around 0.10 Kg./ m<sup>2</sup> on metal, wood or smooth bituminous surfaces.

Around 0.25 Kg./ m<sup>2</sup> on granule, rough or concrete surfaces.

### Packaging

4.5 Kg. and 18 Kg.

### Health and Safety

Non flammable during and after application.

### Technical Data

Colour:	Aluminum
Solid Content:	45%
Density:	1.2
Surface Temp.:	-40 °C + 140 °C
Creep:	Nil at 140 °C
Drying Time:	
Tack Free:	2 Hrs.
Complete Dry::	3-6 DAYS

