

## PRODUCT DATA

# - 2012 ELASTOMERIC WATERPROOF SOLAR GUARD

### INTRODUCTION

 - 2012 ELASTOMERIC WATERPROOF SOLAR GUARD is specially formulated based on Styrene-Acrylic co-polymer further incorporating ingredients that enable reflecting & blocking heat from penetrating through to the substrate beside performing the primary function of making the same completely water proof. It is recommended to be used for all types of substrates like Concrete, Metal & Asbestos Sheets etc. It seals hair line cracks, stops seepage and forms an impermeable film which gives long life flexibility and ideally suited for use in areas with extreme climatic conditions. It has heat reducing/minimizing capacity from up to 30 °C (interior side of the space).

### USAGES

SOLAR GUARD is a vapor permeable, seamless liquid membrane which dries to give a flexible, tough, solar reflective, waterproof coating.

### SURFACE PREPARATION & APPLICATION

1. Clean & dry the surface from dust/dirt, loose particles, foreign deposits, oil & grease.
2. Apply first coat as prime coat diluted with 15 to 25% potable water depending upon surface temperature & atmospheric conditions.
3. Fill/repair cracks & gaps after 2 hours with  - 2020 POLYMERIC CAULK SEALANT – SOFT SEAL.
4. Apply 2 coats with an interval of 3 - 5 hours diluting with up to 10% with potable water. Embedding of glass fiber scrim in areas requiring reinforcement may be carried out.
5. Allow material to dry between coats. Lay at right angles to the first. Do not apply if there is likelihood of rain as SOLAR GUARD is not resistant to rain until fully dry. Do not brush like paint. Tools should be washed in water. Can be applied on Concrete, Lightweight Concrete Screed, Asbestos Cement, Asphalt, Built up Felt, Slate or Tiles and Timber.

### TECHNICAL DATA

Color	: White.
Consistency	: Moderately viscous liquid.
Density	: 1.17 Kg./Liter
Application	: By Brush, Roller or Spray.
Coverage	: 6-7 M <sup>2</sup> /65-75 Ft <sup>2</sup> on non-porous surface.
Finish	: Tough, Seamless, Semi Gloss, Elastic film.
Solid Content	: 62 ±1 %
Service Temp.	: 10 °C to 120 °C
Elongation	: Above 300 % ASTM-D 412-75
Bend Strength	: Passed 1/16 <sup>th</sup> in cylindrical mandrel test.
Impact Strength	: Passed 20 lbs impact and gardener test 360 bending.
Tensile Strength	: Dry 4 N/ ASTM-D412 Wet 1.4 N/M ASTM-D 412 60 C 1.4 N/M ASTM-D 412
Water	: Coated concrete block does not show measurable water absorption. Prolonged immersion in Water does not effect the cured coating.

### ADVANTAGES

Tough, elastic, solar reflective, weatherproof, permeable, seamless, withstands movement of roof, good adhesion to most substrates, economical, one component, ready and easy to use.

### SHELF LIFE

12 months when stored properly in original sealed container in a dry place.

### PACKING & DELIVERY

4.0 Kg. and 16.0 Kg. Plastic Bucket.

#### Note:

Recommended spreading rate per liter based upon minimum recommended dry film thickness per coat. No allowance is made for material loss during application.

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#### Important Notice:

The information submitted in this leaflet is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments, neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislations are observed.