



# MEGA SHIELD

HEATPROOF, UV REFLECTIVE & WATERPROOF COATING

## DESCRIPTION

**MEGA SHEILD** is a protective and decorative heatproof & waterproof coating, which is specially formulated for brushable application over any surface to resist and reflect ultraviolet (Sunrays) to insulate in structure.

**MEGA SHEILD** is designed as a high economical solution which easy to apply at any surface.



## USES

**MEGA SHEILD** is used for:

- Concrete roof slabs.
- MS/SS sheet.
- Wooden roofs.
- Asbestos sheet.
- Precast roof.

It can be used in all types of residential structures.

## TEMPERATURE EFFECT

Upto 5 to 10% heat reduction is estimated in existing room temperature. Moreover, upto 8°C surface heat reduction can be measure due to reflection properties of the material (Mega Shield). However, above mention results are subjects to building design and exposure to sunlight of existing facade (external walls).



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## ADVANTAGES

MEGA SHEILD COATING is developed to protect the surfaces that are exposed to rapid temperature. It is also:

- Economical.
- Easy to apply.
- Compatible with all surfaces.
- Flexible.
- Waterproof.
- Presentable appearance.
- Rapid results.

## METHODOLOGY

**PREPARATION:** Substrate must be clean and free from particles with water or dry brush until surface free from any loose material . Fill cracks 1mm and above with mega crack fix and mega water seal pro, and other specified instructions by technical team, clean steel, asbestos and concrete surfaces from dust before application.

**APPLICATION:** Apply Final Coat of MEGA WATER SHIELD 1.00kg / 1.20sqm - 1.60sqm yield of the mixed product will depend on the texture and porosity of the surface. For Applications on the treads of the joints, it is recommended to trowel the area before hand.

## TECHNICAL DATA

| Property                        | Value             | Test Method |
|---------------------------------|-------------------|-------------|
| Specific Gravity                | 1.7±0.05          | ASTM D 1475 |
| Tear Resistance                 | >15.5N            | ASTM D 412  |
| Shore Hardness A                | 73                | ASTM D 624  |
| Elongation at Break             | >665              | ASTM D 2240 |
| QUV Accelerated Weathering Test | Passed 2000 hours | ASTM D 412  |
| SRI (Solar Reflectance Index)   | 107               | ASTM G 53   |
| Resistance to Bacteria          | No Attcak         | ASTM E 1980 |
| Resistance to algae             | No Attack         | ASTM D 4299 |
| Service Temperature             | from-62 to 90° C  | ASTM G 29   |
| Tensile Strenght                | 75.6MPa           |             |

## PRODUCT DATA

|                    |                         |
|--------------------|-------------------------|
| Chemical Base      | Rubberized Polyurethane |
| Form               | Liquid                  |
| Appearance / Color | Whitish (when dry)      |
| Packing            | Bucket / Cane / Drum    |

## DRYING & CURING TIME

| Substrate Temperature | Touch Dry  | Hard Dry    | Overcoating Interval |            |
|-----------------------|------------|-------------|----------------------|------------|
|                       |            |             | Minimum              | Maximum    |
| 15°C                  | 15 minutes | 2 hours*    | 32 hours             | Indefinite |
| 25°C                  | 10 minutes | 1 hour*     | 16 hours             | Indefinite |
| 35°C                  | 5 minutes  | 30 minutes* | 8 hours              | Indefinite |

## CLEAN UP

Materials are difficult to remove when set. Clean tools and equipment before the material set.

## VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the product uses.

## HEALTH AND SAFETY INFORMATION

It is physiologically non hazardous once cured. However, follow standard Health & Safety Procedures when handling the product and wear gloves and face / eye protection. Avoid eye and skin contact. If skin contact occurs, wash with plenty of water and soap. In case of eye contact rinse with plenty of water and seek medical advice.



Clean all equipment with clean water immediately after use



Store product in dry conditions and protect from extreme temperatures.

*In case of any query or technical assistance, please feel free to contact us on following numbers mentioned below. Our dedicated customer support team will be happy to assist you.*



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HEATPROOF & UV REFLECTIVE COATING

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