

# 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 a 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 Temprature Touch Dr		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**

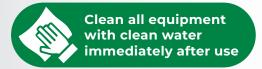
All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

#### **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.





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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