



Waterproofing Means Pazkar



MASTER ROOF

A two layers ultimate solution for waterproofing and roof coatings

Master Roof is a white hybrid polymeric waterproofing and coating material resistant to extreme temperatures and to ponding water.

Master Roof features excellent solar reflectivity and emissivity properties.

The material is applied as a thick paste forming a seamless, decorative and flexible membrane that prevents water penetration and extends the life of the roof.

Product Uses

- Waterproofing new roofs that have various penetrating devices or complex geometrical shapes.
- Waterproofing complex areas, where Bituminous Membranes can not be used.
- Waterproofing existing roofs that are in need of renovation and are covered with old bitumen or old bituminous membranes.

Benefits & Advantages

Resists to Extreme Temperatures | High productivity | Ponding Water Resistance | High strength and elasticity | Two colors application to guarantee an absolute coverage | Saves the need of an additional white coat | Environmentally friendly | Easy application | High UV Resistance | High Solar Reflectance and Infrared Emittance |

Instructions for use

Surface preparation

- All surfaces to which Master Roof is to be applied must be sound, stable with an even finish and free from dirt, dust, loose debris, grease etc. All wires and pipes should be elevated.
- Make sure that the slopes are such that they prevent water from ponding.
- Primer application - for different surfaces such as concrete, Bituminous membrane, Aluminum, Galvanized steel, asbestos, etc', apply a base layer of diluted White Master Roof with water in a ratio of 1:1 at a quantity of 250g/m² / (0.44 gal/100 sq.ft).
For bituminous surfaces apply Master Prime at a quantity of 250g/m² (0.6 gal/100 sq.ft).

Application

- Master Roof is applied by two layers.
Each layer has a different color in order to ensure that a complete layer has been applied:
First layer - Peach
Second layer - White
- Apply with a brush / squeegee / airless spray a first layer (Peach) at a quantity of 1.5 kg/m² (2.6 gal/100 sq.ft).
- Let dry for 4-6 hours.
- Apply with a brush / airless spray a second layer (White) at a quantity of 1.5-2 kg / m²(2.6 -3.5 gal/100 sq.ft).
- Let dry for 4-6 hours.
- Enable a complete dry of 14 days before footsteps.

Equipment care

Clean tools with water, preferable while the material is still soft.

Technical properties

Description	Property	Standard
Appearance	Top Layer: White Base Layer: Peach	
Specific gravity	1.35	
Solid content	> 64%	
Coverage	2.5-3.5 kg/m ² (4.4-6.2 gal/100 sq.ft)	
Dry film thickness	1.1-1.5 mm (50-60 mils)	
Service temperature	-10° C to +60° C	
Dry film thickness	1.5-2.5 mm (60-100 mils)	
Application temperature	+ 5° C to 40° C	
Heat stability	> 120° C (248° F)	ASTM D 2939
Cold flexibility	< -30° C (< -22° F)	ASTM D 522
Tensile Strength	> 1.6 MPa (> 227 psi)	ASTM D 412
Elongation at break	> 500%	ASTM D 412
Resistance to ponding water	Pass	ASTM D 2939
Resistance to Water Pressure	> 0.5 atm, 24 hr (> 7.35 psi, 24 hr)	DIN 52123
Water Vapor Permeance	1.87 perms	ASTM D 1653
Tear Resistance	> 130 N/cm (> 76.76 lbf/in)	ASTM D 624
Solar Reflectance	> 80%	ASTM C 1549
Infrared Emittance	> 85%	ASTM C 1371
UV Resistance	Resistant to UV and the influence of Oxygen & Ozone	ASTM C 4799
Adhesion	Excellent to: concrete, Bituminous membrane, Bitumen, Aluminum, Galvanized steel, Asbestos, etc.	ASTM C 794
Fungi resistance	Pass	ASTM G 21



Packaging

Master Roof is available at the following packages:

22 Kg Pails

5 gallon pails

Each color (Peach & White) is supplied at a separate pail

Storage

- Store under cover out of direct sunlight and protect from extreme temperature.
- In tropical climates the product must be stored in an air-conditioned environment.
- In cold climates the product must be stored in heated environment over 10°C (50°F).
- Do not freeze.
- Shelf life is 12 months when stored as above.

For Safety detailed instructions please refer to Pazkar's safety sheets.(MSDS)

WARRANTY

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