



# WPM 007 ROOFKOTE

## High Build Exposed Grade Acrylic Waterproof Coating

### DESCRIPTION

WPM 007 RoofKote is an acrylic based, high build coating developed for use as an exposed grade, weather resistant, waterproofing of old & new roofs. The coating is elastomeric to expand & contract with the substrate and prevent development of hairline cracks.

WPM 007 RoofKote can be applied directly on sound brickbat coba or cement screed thereby avoiding the risk of damage associated with removing of existing overlays. It is available in different colours to monitor correct thickness of each coat and to have a preferred finish colour.

### USES

- Building Roofs / Terraces - Flat & Slope.
- Over existing sound substrates, brick-bat coba, screeds, metal and tiles

### FEATURES

- High build to provide 1mm in three coats.
- Can be applied either by Roller or Brush
- Excellent resistance to re-emulsifying due to stagnant water (ponding) on flat roof/terraces due to continuous heavy rains.
- Flexible: accommodates normal building movements and hairline cracks
- Abrasion resistant: Non-slip and suitable for light foot traffic.
- Long-term Durability: UV Resistant
- No protection required eliminating additional layers
- Eco friendly: Non-Toxic water based system
- Allows water vapour to escape from the substrate.

### PHYSICAL PROPERTIES

WPM 007 RoofKote	@ 27 ± 1°C
Density at 27°C	~ 1.30 gm/cc
Tensile strength (As per ASTM D 412)	> 1 N/mm <sup>2</sup>
Elongation (As per ASTM D 412)	> 140 %
Pull Off adhesion strength (ASTM D 4541)	~ 1.5 N/mm <sup>2</sup>
Tack free time	4 hour
Recoating time	6 hours
Full Cure	7 days
VOC	1.0 g/l
COLOURS	Terracotta, Green, Grey

### COVERAGE ESTIMATES

#### Coverage

#### Primer

9 - 12 sq.m/kg of primer (refer dilution ratio)

#### WPM 007 RoofKote

1.95 - 2.0 kgs/m<sup>2</sup> in 3 coats to obtain 1mm DFT  
(0.65 kgs/m<sup>2</sup>/coat)

#### Pack size

#### WPM 007 Primer

5 kgs

#### WPM 007 RoofKote

5 kgs & 20 kgs

### APPLICATION INSTRUCTIONS

#### Surface Preparation

Ensure that the roof has sufficient slope to enable water run-off. The surface to be treated must be clean, structurally sound, free from oil, laitance, dust and other barrier materials. Existing old surfaces with brickbat coba or screeds must be checked for soundness and damaged/hollow portions, cracks, sharp edges, etc., and must be repaired using cement mortar modified with E135 (SBR).

#### Priming

Dilute WPM 007 Primer with water (1.5:1 by volume or 2:1 by weight). Apply using roller or brush and allow to dry for approx. 3 hrs. In case of high absorbent or porous surfaces, apply two coats for excellent result.

#### Application

Thoroughly stir the contents of WPM 007 RoofKote for atleast 2 mins using a slow speed (300-400 rpm) drill machine attached with a mixing paddle. Retempering with water should not be done. Keep on stirring during application to maintain a homogeneous consistency.

Apply WPM 007 RoofKote on the primed surface using a brush or roller maintaining the prescribed consumption to ensure uniform coating thickness. Allow the first coat to dry for 5-6 hrs. The sequence of the colours can be decided depending on the desired top coat colour.

**Note:** DECKWEB (non-woven glass filament reinforcement cloth) is recommended to be sandwiched between the first and second coats if waterproofing is being done on a tiled roof or surface with multiple hairline cracks.

Apply the second & third coats maintaining the same coverage as the first coat. Each coat should be applied perpendicular to the previous coat to prevent any untreated/uncoated areas. Drying time between each coat is 5-6 hrs. Two coats (@ 650 gms/sq.m/coat) is sufficient for waterproofing of non-accessible roofs. Allow to dry for 5-6 hrs before foot traffic is permitted.

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### Maintenance & re-coating of WPM 007 RoofKote

Any damaged/worn out areas due to extreme temperature variations or long term weathering can be rectified by applying a single coat of WPM 007 RoofKote after sanding and cleaning the surface. Cracks, if any, can be treated by applying 2 coats sandwiched with a layer of DECKWEB.

### CLEANING

Wash hands, brushes, rollers, etc with water while the material is still fresh. Remove cured material mechanically.

### STORAGE AND SHELF LIFE

WPM 007 RoofKote has a shelf life of 12 months if kept in a dry, clean store between 5°C and 30°C in the original unopened containers. The product should be protected from frost, away from direct sunlight and sources of heat.

### PRECAUTIONS

During mixing and application, the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. In case of accidents seek medical advice.

### DISPOSAL/SPILLAGE

Spillage of any of the product components should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

For further information, please refer to the Material Safety Data Sheet.

### CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

### NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products. However, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

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