



# WPM 310

## Elastomeric, UV stable, flexible external facade coating

### DESCRIPTION

WPM 310 is a tough, UV stable, flexible liquid applied waterproof facade coating with high solar reflectance providing excellent heat insulation and energy efficiency. It can be applied at a DFT of 0.3 mm as an aesthetically attractive textured or semi-smooth finish and is available in a range of standard colours.

### FEATURES

- Flexible: accommodates normal building movement.
- Reflects the intense solar heat with an Solar Reflectance Index (SRI) of 103
- Provides excellent UV resistance and long term protection from elements of nature.
- Water based : safe to use and low odour
- Breathable
- Cost effective, with long-term savings and short payback period
- Naturally Fungi retardant
- Decorative: can be applied in different textures

### PHYSICAL PROPERTIES

Characteristics of liquid      Viscous Liquid  
 Specific gravity                      Approx. 1.3

#### Characteristics of cured membrane

Water Vapour Transmission at 1.0mm  
 ASTM E 96                      21.9 g/m<sup>2</sup>/24hrs

Tensile Strength AS 1145  
 after 28 days dry                      2.1 MPa  
 after 14 days UV exposure              3.0 MPa  
 after 2,500 hrs QUV                      5.9 Mpa

Elongation at break AS 1145  
 after 28 days dry                      460%  
 after 14 days UV exposure              315%  
 after 2,500 hrs QUV                      180%

Solar reflectance Index  
 ASTM E 1980-11                      > 100\*

Emissivity                              > 0.9\*

Solar Direct Reflectance              > 0.8\*

Overcoat time                      4 hrs @ 23°C 50% RH  
 Dry through                      24 hrs @ 23°C 50% RH  
 (2nd coat)

Application temperature              10°C - 35°C (surface temp)

Service temperature                      0°C - 60°C

VOC content                              100 g / L

\*for white colour

### COVERAGE ESTIMATES

Pack size	Coverage
15 litres	Approx. 24 m <sup>2</sup> /pack in two coats @ DFT of 0.3 mm

### APPLICATION INSTRUCTIONS

#### Surface Preparation

The surface to be treated must be clean, structurally sound, and free from oil, grease, wax, polish, laitance, dust and other barrier materials. All holes and cracks must be filled with a suitable filler material such as ACF 8. When applying over existing coatings, ensure they are firmly bonded. Damaged or spalled substrate should be repaired (levelled) and surface defects should be treated prior to the application of the membrane. Dense concrete surface should be mechanically roughened to remove laitance and open the pores.

#### Priming

Dry substrate: Apply WPM 265 using a brush or roller. Allow the primer to dry for at least 2 hours before applying the first coat of WPM 310. Highly porous surfaces may need two coats.

Damp substrate: Apply WPM 300 using a brush or roller. Allow the primer to dry overnight before applying the first coat of WPM 310. Highly porous surfaces may need two coats.

#### Note:

- New concrete should be left at least 28 days to cure.
- Plastered surface should be at least 7 days old.

### Application

#### Surface Finish

The surface finish achieved can be varied by selection of method of application. Prior to the commencement of any project it is recommended that a sample of the finish be prepared for approval. The length of the roller nap will vary the profile of the texture although the nap length must suit the substrate. A 10 - 12 mm nap produces a low surface profile while a 15 - 18 mm nap produces a higher surface profile.

Surface Finish	Roller Type	
	1 <sup>st</sup> coat	2 <sup>nd</sup> coat
High texture	Med. Texture	Med. Texture
Medium texture	Nap	Med. Texture
Low texture	Med. Texture	Nap
Ripple texture	Nap	Nap

Depending on the desired finish, apply in 2 coats at an approximate wet film thickness of 0.3mm per coat to achieve an overall dry film thickness of 0.3mm. Allow the first coat to completely dry before applying the second coat.

### CLEANING

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

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### STORAGE AND SHELF LIFE

The shelf life of WPM 310 is 12 months in the original unopened packaging when stored in a cool, dry and well ventilated area. Keep containers securely sealed. DO NOT allow to freeze. Do not store in direct sunlight. Replace lid tightly after use.

### PRECAUTIONS

WPM 310 is non-hazardous; non-dangerous goods. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin. If contact with eyes, rinse thoroughly with water. Seek medical attention in event of irritation.

### DISPOSAL/SPILLAGE

Spillage of any of the product 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.

### FIRE

Non combustible. Not considered to be a significant fire risk.

### DISCLAIMER

The technical details recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Standard, our instructions and recommendations are only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program.

The supply of our products and services are also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request you should make yourself familiar with them.



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