

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

Temperature @ 27± 1°C

Characteristics of liquid Viscous Liquid

Specific gravity Approx. 1.3

Characteristics of cured membrane

Water Vapour Transmission 21.9 g/m²/24hrs

at 1.0mm

ASTM E 96

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

> 100*

ASTM E 1980-11

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

15 litres

Coverage

Approx. 24 m²/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: For porous substrates, mix and apply, using a brush or roller, a coat of WPM 300 (water-based epoxy membrane) diluted with water in 1:1:1 ratio (WPM 300 Part A : WPM 300 Part B : Water). Highly porous surfaces may need two coats. For non-pervious substrates, undiluted WPM 300 should be applied. Allow the primer to completely dry prior to the application of WPM 310.

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 Profile	Roller Type	
	1 st coat	2 nd 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.

WPM 310

Elastomeric, UV stable, flexible external facade coating

CLEANING

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

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.

ARDEX ENDURA (INDIA) PRIVATE LIMITED

an ISO 9001:2015 & ISO 14001:2015 certified company
Corporate Office & Regd. Office: Unit No. 406 & 407,
"Brigade Rubix" No. 20, HMT Campus,
Yeshwanthpur Hobli, Bengaluru - 560013,
CIN No: U24233KA1997PTC022383 Tel: +91 80 66746500
Email: customercare@ardexendura.com
Website: www.ardexendura.com

Branches

• AHMEDABAD	079 2642 5310	• HUBBALLI	0836 2970 505	• NAGPUR	98 2222 3743
• AURANGABAD	86 0544 5577	• HYDERABAD	040 48559455	• PATNA	99 3468 7909
• BENGALURU	080 4091 2934	• INDORE	0731 4021 148	• PUNE	020 48601680
• BHUBANESHWAR	0674 257 8101	• JAIPUR	0141 244 1893	• RAIPUR	0771 4038 300
• CALICUT	0495 274 0334	• KOLKATA	98 3107 1084	• SALEM	0427 2271454
• CHENNAI	044 4280 5544	• LUCKNOW	0522 4043 251	• SHIVAMOGGA	98 8060 5770
• DELHI	011 2639 7645	• LUDHIANA	0161 2532 170	• TRIVANDRUM	0471 2598648
• ERNAKULAM	0484 2341 044	• MANGALURU	0824 2442 176	• VIJAYAWADA	86 8835 4587
• GOA	0832 2750 992	• MUMBAI	022 6513 3299	• VISAKAPATNAM	0891 6469 499
• GUWAHATI	78 9600 2188	• MYSURU	0821 2570 171		

