



ARDEX WPM 308

Elastomeric Wall Coating (Façade EWC)

Flexible – accommodates normal building movement

Provides excellent UV resistance and long-term protection from weather

Excellent Workability – easy, quick to apply

Decorative – choice of colours

Water based – safe to use, low odour, easy clean-up



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Elastomeric Wall Coating (Façade EWC)

DESCRIPTION

WPM308 is a tough, UV stable, flexible, water resistant, elastomeric wall coating. It has been specifically formulated as a high-quality coating for external/exposed walls.

Façade EWC is applied as an aesthetically attractive, semismooth to textured, low sheen, uniform finish. Façade EWC dries quickly to produce a washable finish that hides imperfections.

AREAS of APPLICATIONS

As a water-resistant, decorative, semi-smooth to textured, low sheen finish for external walls.

Substrates:

Masonry, brick, cement render, fiber-cement sheet.

SUBSTRATE PREPARATION

Ensure all surfaces are structurally sound or securely fixed and totally dry. The surface to be coated should be free from dust, oil, curing compounds and any other contaminating materials. When applying over existing coatings, ensure they are firmly bonded, remove all loose and flaking material then clean and rinse thoroughly. The application of a test area is recommended to check adhesion. Sanding or grinding of existing coatings may be required to gain adhesion. Damaged or spalled concrete should be repaired (rendered, etc) and surface defects including all cracks and sharp protrusions should be treated prior to the application of Façade EWC. Remove laitance by mechanical means and dense concrete should be mechanically roughened to open the pores of the concrete. New concrete should be left for at least 21 days to cure or alternatively primed with ARDEX WPM300. Wet, damp or new concrete substrate surfaces should be primed with WPM300 and left to cure hard, usually overnight.

PRIMING

Priming is recommended over all surfaces (except those sealed with WPM300) with ARDEX P51-3 at a coverage rate of approximately 6 square metres per litre. Highly porous surfaces (such as lightweight concrete blocks, etc) generally require 2 coats of primer. Allow the primer to be touch dry (usually about 30 minutes) before applying the first coat of Façade EWC. In any event, the primer should be overcoated with the first coat of Façade EWC within the same day of application to avoid intercoat contamination.

MIXING

Stir the Façade EWC thoroughly to ensure a uniform mix.

INSTALLATION

Apply in 2 coats using a brush or roller (medium to long nap or texture roller depending on desired surface finish). Approximate minimum uniform coverages are recommended – so as to achieve suitable film properties – for each of the following surface finishes:-

Semi-smooth

– 8m² / kg / coat [~ 9.76m² / L / coat] – equating to approximately 70 µm dry film thickness for 2 coats.

Textured

– 4m² / kg / coat [~ 4.88m² / L / coat] – equating to approximately 140 µm dry film thickness for 2 coats.

Allow the first coat to become hard dry (normally about 2 hours @ 23° C & 50% RH) before applying the second coat.

Product Limitations

Not solvent or petroleum-based product resistant; Do not use under the following application conditions:

- When rain appears imminent
- On wet surfaces (unless sealed first with ARDEX WPM300 at 3m²/L)
- Where the surface temperature is below 10° C or above 30° C

CLEAN – UP

Thinning is not usually necessary or recommended.

Clean up with water before material has set or use Mineral.

COVERAGE

The coverage of Façade EWC will depend on the surface profile of the substrate. Smooth surfaces may require a little less coating, while rough surfaces could require considerably more coating to achieve a satisfactory & uniform finish.

In any case, to maintain the elastomeric properties of the coating, a minimum of 0.07mm (70 µm) total dry film thickness is required – this is achieved at a coverage rate of approximately 0.125kg/m² or 8m²/kg or 100 µm wet film thickness per coat for 2 coats. Rough substrate surface profiles may require up to approximately, or in some case more than 0.5kg/m² or 2m²/kg or 400 µm wet film thickness per coat. In such cases, allow adequate drying time of the first coat (normally about 4 hours), before applying the second coat.

PACKAGING

25kg/Bucket

STORAGE & SHELF LIFE

Can be stored for approximately 24 months in originally sealed packaging in place free from frost.

TECHNICAL DATA

General

Packaging: 18L
Shelf-life: 24 months

Product

Appearance: Viscous liquid, white or coloured
Particle Dispersion: Predominantly < 45 µm
pH: 8.7 – 9.3
Specific Gravity: 1.22 g/cm³
Viscosity: 22,500 – 27,500 cP
Solids(by mass): 48.3%
Solids(by volume): 36%

Application Properties@23° C & 50% RH

Priming: P51, WPM300
Application: 2 coats, Brush or Medium/Long Nap/Texture Roller
Application Condition: 10°C–30°C
Extreme(caution): Min. 5°C, Max.35°C
Touch Dry: Approx. 30min–60min
Re-coat: Approx. 2h–3h
Dry through(2nd coat) 24h

Per coat: 6m²/kg, 0.167kg/m², 0.135L/m² = 135 µm wet film thickness (0.135mm)
2 coats: 3m²/kg, 0.333kg/m², 0.27L/m² = approx. 100 µm total dry film thickness (0.1mm)

Properties of Cured Coating/Film

Tensile Strength (AS1145):

after 28 days dry approx. 2.4 MPa
after 14 days approx. 2.9 MPa(UV exposure)
after 14 days approx. 5.2 MPa(dry @ 70° C)

Elongation at Break (AS1145):

after 28 days dry approx. 300%
after 14 days approx. 190%(UV exposure)
after 14 days approx. 105%(dry @ 70° C)

Tested at a dry film thickness of approximately 130 µm (0.13mm)

SAFETY DATA

UN Number: N/A

Non-Flammable & Non Explosive;

Non Toxic , Irritating or flammable when used according to the instructions;

May be irritating and cause sensation by skin contact and be irritating to the eyes on contact;

Wear suitable gloves and eye/face protection during mixing and application, avoid contact with skin and eyes. In the event of contact, wash immediately with soap and water.

First Aid

– If poisoning occurs, contact a Doctor or Poisons Information Center;

– If swallowed, do NOT induce vomiting. Give a glass of water. Consult a Doctor;

– If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water;

– If in eyes, hold eyes open and flood with water for at least 15 minutes. Consult a Doctor.

The technical details, recommendations and other information contained in this datasheet are given in good faith and represents 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 National or Local Standard, our instructions & recommendations, and only for the uses they are intended. Regional specific recommendations, standards, codes of practice, building regulations or industry guidelines may affect specific installation recommendations. Our Company policy is one of continuous Research & Development; we therefore reserve the right to update this information at any time without prior notice. We 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. The supply of our products and services is also subject to certain terms, warranties & exclusions; and these details will be made available to you on request. You should make yourself familiar with them.