



ARDEX WPM 308

Elastomeric Wall Coating (Façade EWC)

Advantages

- Flexible, accommodates normal building movement
- Provides excellent UV resistance and long-term protection from weather
- Decorative, choice of colours
- Excellent Workability, easy to apply
- Eco-friendly, safe to use, low odour, easy clean-up



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 Application

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.

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Priming

Priming is recommended over all surfaces (except those sealed with WPM300) with ARDEX P51-3 at a coverage rate of approximately 6 square meters per liter. 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.

Application

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 70µm dry film thickness for 2 coats.

Textured

- 4m² / kg / coat [~ 4.88m² / L / coat] - equating to approximately 140µm 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.

Consumption

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 (70µm) total dry film thickness is required – this is achieved at a coverage rate of approximately 0.125kg/m² or 8m²/kg or 100µm 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 400µm 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

18 L/pail

Storage & Shelf Life

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

Technical Data

| | |
|------------------------------|----------------------------------|
| Appearance | Viscous liquid, white or colored |
| Particle Dispersion | Predominantly < 45µm |
| pH | 8.7 – 9.3 |
| Specific Gravity | 1.22 g/cm ³ |
| Viscosity | 22,500 – 27,500 cP |
| Solids(by mass) | 48.3% |
| Solids(by volume) | 36% |
| Priming | P51, WPM300 |
| Application Condition | 10°C -30°C |
| Extreme(caution) | Min. 5°C, Max.35°C |
| Touch Dry | Approx. 30min-60min |
| Recoating | Approx. 2h-3h |
| Dry through(2nd coat) | 24h |
| Per coat | 6m ² /kg |
| 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 130µm (0.13mm)

Safety and Health

Wear work clothing, gloves, and protective goggles during use. After work, wash contacted areas with clean water and soap. If the product accidentally splashes into the eyes, rinse immediately with plenty of clean water and seek medical attention. Keep out of reach of pregnant women and children.