



ARDEX WPM 104

Semi-Flexible, Cementitious Waterproof Coating

For basic waterproofing applications

Cured membrane is effective barrier

Corrosion protection



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ARDEX WPM 104

Semi-Flexible, Cementitious Waterproof Coating

DESCRIPTION

ARDEX WPM 104 is a specially formulated two component polymer cementitious product for waterproofing application. ARDEX WPM 104 is a semi-flexible coating which provides an effective barrier to waterborne salts and atmospheric gases. It also provides protection against the corrosion of reinforcing steel and the bridging of fine hairline cracks.

APPLICATION RANGE

- Waterproof coating for tanks, gutters, planter boxes, roofs, toilets, swimming pools and basements
- To resurface and even out variations in concrete surfaces
- Seal and coat tie bar holes to ensure water tightness
- Protects concrete surfaces against carbonation and chloride attack
- Offers protection against corrosion of reinforcing steel

FEATURES & BENEFITS

- Semi-flexible
- Non-toxic
- Good adhesion, bonds to (non)porous surfaces
- Excellent wear and weather resistance
- Quick and easy to apply
- Bridges concrete hairline cracks

SUBSTRATES

Ensure that the substrate is clean and sound, free of dust, loose particles, grease or any other contaminants.

MIXING

ARDEX WPM 104 is supplied in pre-measured units. Pour the liquid component into a clean pail. Slowly add the powder component into the liquid component and mix using a slow speed drill mixer until the mixture is homogeneous and free of lumps.

Do not mix more material than can be utilized in one hour. DO NOT RE-TAMPER WITH WATER. PART MIXING IS NOT RECOMMENDED.

APPLICATION

Ensure that the substrate is damp but free from standing water. Apply the pre-mixed ARDEX WPM 104 using a short, stiff bristle brush, roller or trowel.

Apply at the rate of 1kg per m² per coat. Trowel application can be undertaken as necessary. For heavy 6 – 10mm depressions, honeycombs etc. utilize less gauging liquid and mix to the desired consistency. Drying time is approx. 2–3 hours subject to the temperature and substrate. Full cure is approx. after 6 – 8 hours.

Where more than one coat is found necessary to achieve the desired thickness, apply the second or subsequent coats after the previous coat has dried. For general resurfacing, that each coat should be a minimum of 1mm thick. Two coats are generally recommended.

COVERAGE

ARDEX WPM 104 covers approx. 1kg per m² per coat. One kit of 36kg covers approx. 30m². Dry film thickness should be approx. 0.8mm – 1mm per coat is recommended. Coverage will vary depending on the porosity of the surface.

PACKAGING

36kg units of ARDEX WPM 104 are available in two components. The component A (Powder) is in 26kg pack, and the component B (Liquid) is in 10kg container.

TECHNICAL DATA

	Component A	Component B
Form	powder	liquid
Colour	grey	milky white
Specific gravity	–	1.03g/m ²
Bulk Density	1.38g/m ²	–
Mixing ratio (by weight)	2.6	1

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Performance Properties	
Elongation at break	> 45%
Tensile strength	> 1.0 N/mm ²
Drying time	approx. 2 – 3 hours
Adhesion strength	> 0.3 N/mm ²
Water Vapour Transmission	< 1.63 g/m ² /hour
Water Penetration Test	5 Bar (50mm water pressure or 5kgf/cm ²)

CLEANING

Due to high adhesion strength of this product, it is advisable to wash tools with water before the product sets. After setting, cleaning can only be achieved by mechanical means.

SHELF LIFE AND STORAGE

Store in dry conditions (5°C - 35°C) away from the sunlight. Replace the lid tightly after use. ARDEX WPM 104 has a storage life of 12 months when stored in the original unopened containers.

SAFETY PRECAUTIONS

In case of contact with the eyes, rinse with running water (15min) including removal of contaminated clothing. Wear protective gloves, clothing, eye and face protection. Avoid inhaling dust/fume/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. Store locked up. Check for disposal of contents. Keep out of the reach of children. Additional information is in the material Safety Datasheet, available upon request and online at www.ardex-quicseal.com.

DISCLAIMER

The technical datasheets are based on the latest information and given in good faith and represent the best of our knowledge and experience at the time of printing. They are primarily offered for user's consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the

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