



ARDEX WPM 400 PRIMER

Water-Based Epoxy Primer for WPM 400

Multi-functional primer for ARDEX WPM 400

Good adhesion to many substrates

Suitable for use on damp substrates with up to 8% residual moisture

Solvent free

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Water-Based Epoxy Primer for WPM 400

DESCRIPTION

ARDEX WPM 400 PRIMER is a multi-substrate, two-component water-based epoxy primer for application prior to application of ARDEX WPM 400 and ARDEX WPM 170.

SCOPE

Primer prior to application of ARDEX WPM 400 and ARDEX WPM 170 waterproofing range on non-porous substrates (ceramic, metal, ...).

Primer prior to application of ARDEX WPM 400 and ARDEX WPM 170 waterproofing range on porous substrates (concrete, asphalt, ...).

SURFACE PREPARATION

Concrete floors must be solid, clean and free of wax, grease, asphalt, latex compounds, curing and sealing compounds and any other surface contaminants. Mechanically clean the floor using recommended preparation methods such as shot-blasting, scarifying, diamond grinding, shaving or other suitable methods. After these works, proceed to aspirate. Always ensure substrate moisture content is less than 8%.

Repair works and filling holes and cracks should be undertaken with the suitable ARDEX product. Any joint or crack the concrete substrate where differential movement is expected (i.e. expansion joints), should be sealed. When applied on metal surfaces sandblasting for cleaning should be used. After sandblasting the surface must be cleaned using a proper solvent. Ensure solvent is dried completely before applying ARDEX WPM 400 PRIMER.

MIXING

The individual components of ARDEX WPM 400 PRIMER should be shaken before mixing. Add the curing agent (component B) to the resin (component A) and stir with mixing paddle at low speed until a uniform consistency is reached. Ensure the resin components are thoroughly mixed (ideally mixed for at least 3 minutes).

Part of the mixture can be reintroduced into the hardener container to gather remaining residues in the container. The mixture which has been reintroduced into the hardener container can be returned to the mixing container and stirred for a further 30 seconds. This mixing process ensures the product's consistency and that any residual resin remaining in the containers reacts.

After the two components have been mixed, use immediately. 1kg of ARDEX WPM 400 PRIMER will remain workable for 60 mins between 18°C and 20°C.

APPLICATION

Once mixed, ARDEX WPM 400 PRIMER should be spread across the floor immediately using a brush or short/medium nap roller.

One or more layers of ARDEX WPM 400 PRIMER may be needed to ensure a uniform, pore-free surface and to compensate for differences in absorption of the various areas of the substrate. The second coat should be applied as soon as the first is cured sufficiently.

When a thinner consistency is required, dilute with clean water to a maximum of 30% for the first coat only.

The curing time varies depending on ambient temperature and the surface (at least 6 hours). Ensure the primed area is well ventilated. On irregular substrates ARDEX WPM 400 PRIMER can be mixed with quartz sand (0.1-0.3 mm) in a 1:0.3 ratio, then applied by trowel to achieve a layer of regularisation. One or two layers of regularisation may be needed.

LIMITATIONS

Always use ARDEX WPM 400 PRIMER with ambient and/or substrate temperatures over +5°C and provided with a minimum of +3°C above dew point. Do not apply at temperatures above +30°C. Do not apply with air humidity above 85%. ARDEX WPM 400 PRIMER can be applied on substrates with up to 8% residual moisture. On surfaces with higher residual moisture, consult the ARDEX Technical Department. If the pot life is exceeded the mixed product loses its characteristics and should be discarded.

CLEAN UP

Clean tools and equipment immediately after use with water. Hardened product will need to be removed mechanically.

Any spillage from any of the products must be removed immediately with sand, vermiculite or other inert material and collected in a suitable container for proper handling and treatment. Residues from spillage and empty containers must be dealt with in accordance with local regulations.

STORAGE

ARDEX WPM 400 PRIMER can be stored for up to 12 months in its original unopened packaging. The product should be stored in a dry place between 5°C and 25°C. Store protected from frost, direct sunlight, and heat sources.

COVERAGE

Approximately 100-300g/m² per coat depending on substrate porosity.

PACKAGING

ARDEX WPM 400 PRIMER consists of two components and is available in 10kg kits.

TECHNICAL DATA

Characteristics	Result
Density	Approx. 1kg/L
Working time @ 20°C	Approx. 60 minutes
Touch dry @ 20°C	5-6 hours
Recoat time	
Dry substrates @ 20°C	Min. 6 hours
Wet substrates @ 20°C	Max. 24 hours
Full cure @ 20°C	7 days
Working temperature	3 - 35°C

PRECAUTIONS

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

Wear protective gloves, protective clothing, eye and face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately get medical attention or call the national poisons centre. If skin irritation occurs, get medical attention. Dispose of contents/container to hazardous or special waste collection point, in accordance with local regulation. May produce an allergic reaction.

Additional information is in the Safety Data Sheet at www.ardex.co.nz

**Toll Free Technical Services:
0800 227 339 (New Zealand)**

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 New Zealand & Australian Standards, our instructions and recommendations and 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. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations. The supply of our products and services is 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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