



ARDEX WPM006

(Superflex II Type I)

FEATURES

Flexible – accommodates normal building movement.

Designed for tiling systems – fully compatible with ARDEX range cement based tile adhesives.

Breathable – permits the escape of moisture vapors from the substrate

High Bonding strength – excellent adhesion to most substrates

Easy to apply – seamless, simply apply by roller or brush



本企业通过ISO9001:2000质量认证体系



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ARDEX WPM006

(Superflex II Type I)

DESCRIPTION

ARDEX WPM006 Superflex II (Type I) is a two component highly flexible, under tile waterproofing membrane formulated to provide a tough, watertight lining for wet areas such as bathrooms, balcony, terrace and showers.

ARDEX WPM006 Superflex II is designed for under tile waterproofing applications e.g. internal wet areas, showers, kitchens, laundries, even in conditions of permanent immersion area such as swimming pools, water tank when used as an under-tile water-proofing membrane.

It can be used over concrete, cement, render, screed and most of the light weight partition board or panels provided these are tiled over or render / screed protected.

AREAS of APPLICATION

Internal & external; Residential & Commercial; Walls, floors;

Substrates:

Fully cured concrete, render/ screed, wet area grade fibre cement sheets, set plaster, plasterboard, plywood, particle-board etc.

SUBSTRATE PREPARATION

The surface to be coated should be dry, clean, sound and free from oil, grease, laitance and flaking paint. The surface should also be free from sharp protrusions (nails etc).

New concrete should be left for a minimum of 28 days before application commences. Dense concrete (>40MPa) and steel trowelled concrete should be roughened by suitable mechanical means. All floor areas must have adequate falls to waste.

All cracks or holes >2mm must be repaired before application commences. For cracks between 2-6 mm fill with a neutral cure sealant. Extend the sealant 5mm each side of the joint. Apply the first coat of ARDEX WPM006 Superflex II along the crack. Place a reinforced fabric while the first coat is still wet, and follow immediately with the second coat. For cracks >6mm contact your ARDEX representative.

PRIMING

Apply one coat of ARDEX P51(1:2) primer to the prepared surface, allow to dry before applying membrane. Relevant building codes must be considered.

MIXING

1(liquid): 1.25 (powder) ratio by weight

INSTALLATION

Where movement will occur- floor/wall junction, expansion joints, hairline cracks, apply a bead of neutral cure silicone sealant or a foam backing rod covered with a bond breaker tape.

Floors

For shower recess floors where a puddle drainage flange has been used, seal the perimeter with neutral cure silicone and lap the membrane into the flange area, perimeter with neutral cure silicone and lap the membrane into the flange area, preferably using ARDEX Deck-web reinforcement. If a flange is not used, the internal of the waste pipe should be primed with plumbers cement and membrane, preferably with reinforcement, must be applied down into the waste pipe.

Apply the first coat using a roller or paint brush, at an approximate rate of 0.9L/m² (1.35kg/m²) to achieve a wet-film thickness of 0.9mm. Allow to dry for 6-8 hours (or until it is dry). Apply the second coat, in the opposite direction to the first, at the same coverage rate to achieve a dry film thickness of 1.2mm. Check the final coat for pinholes.

Walls

Coat vertical surfaces at an approximate rate of 0.75L/m² (1.15kg/m²) to achieve a wet-film thickness of 0.75mm per coat, minimum of two coats. Apply with brush, long nap roller or conventional spray. Ensure that the coating is applied evenly at the recommended coverage rates to achieve a dry film thickness of 1.0mm. In balcony situations extend the membrane up underneath the flashing.

Product limitation

- Do not use ARDEX WPM 006 Superflex II in areas subject to negative hydrostatic pressure or rising damp
- Do not apply where surface temperature is below 10°C or above 35°C
- Do not apply over timber decks.

CURING & DRYING TIMES

Tiling can commence when the membrane is totally dry (48 hours at 23°C, longer time needed if temperature is low or humidity is higher than 50% RH). Showers should not be used until full cure is reached (3 days at 23°C and 50% RH).

CLEAN

Clean up tools with water before the compound dries.

COVERAGE

One (20kg Liquid + 25kg Powder) 45kg unit mixes to approximately 30L and will cover approximately 17m² on floors (1.2mm/dry film) and 20m² on walls (1.0mm/dry film), after 2 coats.

PACKAGING

20kg Liquid + 25 kg powder / set

STORAGE & SHELF LIFE

12 months when stored in the original unopened packaging, in a dry place at 23°C and 50% relative humidity.

TECHNICAL DATA

General

Packaging:	20kg Liquid + 25kg Powder
Coverage:	floor 17m ² wall 20m ²
Shelf-Life:	12 months

In Accordance with ARDEX Quality Standards

Powder

Appearance:	Dark grey, creamy slurry when mixed
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Wet-Fresh-Mixed Mortar

Mixed Density:	approx. 1.5kg/L
Mixed Volume Solids:	approx. 70%
Recoat:	6-8 hours (23°C and 50% RH)
Tile after:	48 hours (23°C and 50% RH)

Cured Mortar

In accordance with Chinese standard JC/T 894-2001 (Type I)

<u>Tensile strength</u>	pass ≥ 1.2 MPa
(heated)	pass ≥80% of the original strength
(alkaline solution treated)	pass ≥70% of the original strength
Elongation at break	pass ≥200%
(heated)	pass ≥150%
(alkaline solution treated)	pass ≥140%
Water permeability (0.3MPa, 30min)	non permeable

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 effect 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; these details will be made available to you on request. You should make yourself familiar with them.