



ARDEX WPM 006 I

Superflex I (Type I)

Advantages

- **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
- **Easy to apply**
- **High Bonding strength** – excellent adhesion to most substrates



Description

ARDEX WPM 006 (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 WPM 006 (Type I) 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 troweled 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 WPM 006 Type I 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(1:3) primer to the prepared surface, allow to dry before applying membrane.

Relevant building codes must be considered.

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Mixing

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

Application

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 WP Tape. 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 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.

Consumption

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

Standard

GB/T 23445-2025 (Type I)

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(ARDEX Quality Standards)

At 23°C and 50% RH

Wet slurry density	approx. 1.5 kg/L
Solids content after mixing	approx. 80%
Recoat	6-8 hours
Tiling	approx.48 hours
Tensile strength	
Original	≥1.2 MPa
Heating	≥80%
Alkaline	≥60%
Water immersion	≥60%
Elongation at break	
Original	≥200%
Heating	≥150%
Alkaline	≥150%
Water immersion	≥150%
Bonding strength	
Original	≥0.5MPa
Heating	≥0.5MPa
Alkaline	≥0.5MPa
Water immersion	≥0.5MPa
Water tightness (0.3MPa, 30min)	Watertight
Low temperature bending	No crack at -10°C

Safety and Health

This product is safe and reliable under normal use. However, it contains Portland cement and quartz sand; prolonged direct contact may damage the skin. Avoid generating and inhaling large amounts of dust. Avoid direct contact with eyes and skin; wear appropriate protective mask, gloves and goggles during application. If it splashes into the eyes, rinse with plenty of clean water for several minutes. If large amounts of dust are inhaled, keep ventilation and rinse mouth with clean water. Seek medical attention if any adverse reactions occur.

For detailed information, please refer to the MSDS.