



CI/SfB

V6

February 2025
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PRODUCT DATA SHEET

ARDEX WPC ARDEX WPC W

Flexible Rapid Drying Waterproof Coating for Internal Wet Areas



Features

- Tile after 90 minutes
- Quick and easy to apply with a roller, paint brush or trowel
- Ideal for wet rooms, power showers and bathrooms
- Mix can be adjusted to a slump-free consistency for filling holes and gaps, or a free-flowing consistency for general application
- Waterproofing, tiling and grouting can be completed in one day
- EAD Certified - compliant with NHBC guidance

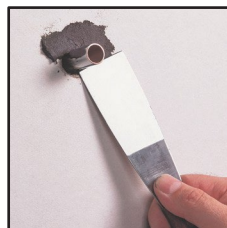
RAPID DRY



Binds the mix water within the mortar, speeding drying and hardening times irrespective of application thickness



MIX ONE



MIX TWO



ISO 9001
Quality
Management
Systems
CERTIFIED

ISO 14001
Environmental
Management
CERTIFIED

ISO 45001
Occupational
Health and Safety
Management
CERTIFIED

Reg No. FM 01207

EMS 565427

OHS 628374

ARDEX UK LIMITED
Homefield Road, Haverhill, Suffolk CB9 8QP UK.
Telephone: +44 (0)1440 714939
Fax: +44 (0)1440 716640
Email: info@ardex.co.uk
ARDEX online: www.ardex.co.uk

ARDEX WPC/ARDEX WPC W

Flexible Rapid Drying Waterproof Coating for Internal Wet Areas

DESCRIPTION

ARDEX WPC and ARDEX WPC W are cement-based, rapid drying, waterproof coatings that allow tiling to commence after just 90 minutes. With an adjustable mix ratio, ARDEX WPC and ARDEX WPC W can be used to fill holes, gaps and joints, as well as for general waterproofing application.

USE

ARDEX WPC and ARDEX WPC W are used to waterproof backgrounds such as cement and sand render, gypsum plaster, or plasterboard prior to fixing tiles in domestic or commercial kitchens, showers and bathrooms.

NOTE: BS 5385-1 advises that plywood and other wood-based sheets or boards should not be used for direct tiling. Timber-based sheets should be replaced or oversheeted with plasterboard, or suitable tile backer board, prior to applying ARDEX WPC or ARDEX WPC W. **NOTE:** Concrete floors and cement and screeds may also be protected from the ingress of surface water by the application of ARDEX WPC or ARDEX WPC W.

PREPARATION

Surfaces must be dry, rigid, sound and free of oil, dust, dirt or other barriers to adhesion. Gypsum plaster must be dry and of adequate strength to support the weight of the tiling. Any boarded background must be able to support the tiles, and be rigidly and securely fixed with closely spaced screws to comply with the appropriate BS 5385 requirement. **NOTE:** Moisture sensitive backgrounds should be protected from moisture ingress from behind i.e. external walls should be of a cavity type or suitably protected solid single skin construction.

MIXING

Mix One

A slump-free, trowelable paste to seal internal corners between walls, fill holes and plug joints and gaps around pipes, baths and showers is produced by mixing the two components in the ratio of: 0.7 parts ARDEX WPC or ARDEX WPC W Liquid to 1 part ARDEX WPC or ARDEX WPC W Powder by weight.

Mix Two

A flowing consistency for application by brush or paint roller is produced by mixing the two components in the ratio of: 1 part ARDEX WPC or ARDEX WPC W Liquid to 1 part ARDEX WPC or ARDEX WPC W Powder by weight.

The mixed ARDEX WPC or ARDEX WPC W has a pot life of approximately 45 minutes at 20°C. This time will be shortened at high temperatures and extended at low temperatures.

Once the mixed material begins to set and thicken, discard the material and do not add extra ARDEX WPC Liquid.

APPLICATION

Use Mix One for application with a spatula, pallet knife or trowel for sealing joints in corners and filling holes and gaps around fixtures, pipes, etc., prior to applying two coats of Mix Two. Where joints tend to crack, they should be reinforced with ARDEX Mesh Scrim Tape prior to applying Mix One. To fill uneven areas with a trowel, a single application of Mix One, at least 3mm thick, is required to obtain an effective waterproof protection coat (no overcoating with Mix Two is necessary).

Mix Two should be used to give a complete coating on the surface, applying it evenly with a paint brush or roller, and working the material well into the corners with a brush. To obtain an effective waterproof protection layer, a second coat will be necessary and the total thickness should be at least 0.8mm. The second coat of Mix Two can be applied approximately 30 minutes after the first coat. Ceramic tiles, mosaics, etc., can be fixed onto the second coat after approximately 1 hour at 20°C. The drying time will be shortened at high temperatures and extended at low temperatures.

Do not apply ARDEX WPC or ARDEX WPC W at temperatures below 5°C.

TILE FIXING

Tiles can be fixed with an ARDEX Cement Based Tile Adhesive e.g. ARDEX X 325 PTB, ARDEX MICROTEC X 77 or ARDEX MICROTEC X 78, and grouted with ARDEX-FLEX Flexible Tile Grout. Alternatively, for areas where chemical resistance and hygienic joints are required, ARDEX EG 8 PLUS Easy to Apply and Clean Epoxy Tile Grout should be used.

PACKAGING

ARDEX WPC Liquid is packaged in polyethylene containers - net weight 5kg.

ARDEX WPC Powder is packaged in paper sacks incorporating a polyethylene liner - net weight 5kg.

STORAGE AND SHELF LIFE

ARDEX WPC and ARDEX WPC W must be stored in unopened packaging, clear of the ground in cool dry conditions and be protected from excessive draught. If stored correctly, as detailed above, the shelf life is 12 months from the date shown on the packaging.

NOTE: For the latest technical or health and safety data on this product, please consult the current technical or health and safety data sheet online at www.ardex.co.uk

TECHNICAL DATA

Density of

Mix One: approx. 1.4kg/litre

Density of

Mix Two: approx. 1.3kg/litre approx. 45

Pot Life: minutes at 20°C after 90

Fix Tiles: minutes at 20°C

COVERAGE

Mix One: approx. 1.75kg ARDEX WPC or ARDEX WPC W Liquid + 2.5kg ARDEX WPC or ARDEX WPC W Powder per m² at 3mm thickness i.e. 4.25kg per m² at 3mm

Mix Two: approx. 0.75kg ARDEX WPC or ARDEX WPC W Liquid + 0.75kg ARDEX WPC or ARDEX WPC W Powder per m² at 0.8mm thickness i.e. 1.5kg per m² at 0.8mm or 6.6m² per 10kg unit at 0.8mm

NOTE: The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also 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. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations.

TECHNICAL ADVICE HELPLINE
01440 714939
ARDEX online: www.ardex.co.uk