

5 STEP USER APPLICATION GUIDE

ARDEX WPC
COMPLETE WATERPROOF
PROTECTION SYSTEM

ARDEX WPC creates a waterproof protective coating that guarantees the prevention of water damage to floors and walls. Use prior to tiling, perfect for:

- Wet rooms
- Power showers and bathrooms
- Kitchens



**HIGH PERFORMANCE
TILING AND FLOORING PRODUCTS**



**Tile after
90 minutes!**



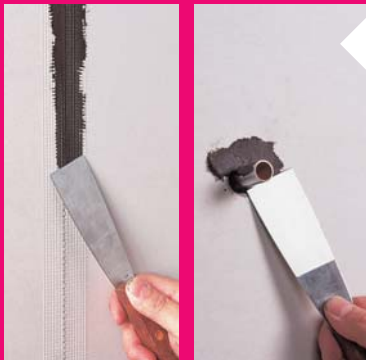
ARDEX WATERPROOF PROTECTION SYSTEM



1 Ensure that you have the appropriate tools and sufficient ARDEX WPC to cover the intended area. For coverage information refer to the technical data overleaf. The surface to be tiled must be dry, rigid, of sufficient strength and free from dust, grease and dirt. Apply at temperatures above 5°C.



2 **MIX NUMBER ONE** Mix a small amount of ARDEX WPC to a slump free consistency, as shown in picture 2, for filling holes, gaps and joints. The working time is approximately 45 minutes at 20°C.



3 Reinforce joints that tend to crack with the ARDEX self adhesive mesh scrim. Apply the mixed ARDEX WPC (MIX No.1) with a spatula, pallet knife or trowel to seal joints in corners and fill holes and gaps around pipes, and leave to harden for approx. 1 hour prior to applying the first coat of Mix No.2.

N.B. The mesh scrim should be applied prior to the application of Mix No.1.



4 **MIX NUMBER TWO** Mix approximately 0.75kg ARDEX WPC liquid with 0.75kg ARDEX WPC powder for every m² at 0.8mm thickness to obtain a flowing consistency. Apply this Mix No.2 evenly with a brush or paint roller to cover the surface with a uniform coat. A second coat should be applied approximately 30 minutes after the first coat to obtain an effective waterproof protection layer of at least 0.8mm thickness. ARDEX WPC will dry to a dark brown flexible coating.



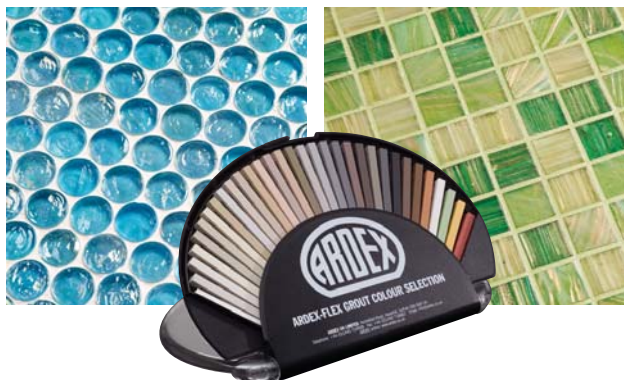
5 Ceramic tiles can be fixed onto the second coat of ARDEX WPC after approximately 60 minutes.

Use any of the ARDEX MICROTEC cement-based adhesives, ARDEX X7G PLUS or ARDEX X7R directly onto ARDEX WPC, all of which are suitable for fixing porcelain, fully vitrified and glass mosaic tiles. Alternatively, ARDEX D30 Ready Mixed Wall Tile Adhesive is ideal for fixing wall tiles (up to 300 x 300mm) onto ARDEX WPC (refer to the ARDEX D30 Data Sheet for further guidance).



The tile bed should be sufficiently firm and free of excess adhesive prior to grouting with ARDEX-FLEX FS Flexible Tile Grout with Built-In Admix for tile joint widths up to 4mm wide or ARDEX-FLEX FL Rapid Setting Flexible Cement-Based Grouting Compound for tile joints from 3-15mm wide, both available in 32 colours.

ARDEX WPC can also be used to stop the penetration of moisture into concrete or cement and sand screeds. The floor tiles can then be fixed with the appropriate ARDEX or ARDEX MICROTEC adhesive and grouted with ARDEX-FLEX grout.



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To request an ARDEX application guide or a grout colour selector please call: 01440 714 939. For the latest technical or health and safety information on any ARDEX product consult the current technical or health and safety data sheet via www.ardex.co.uk

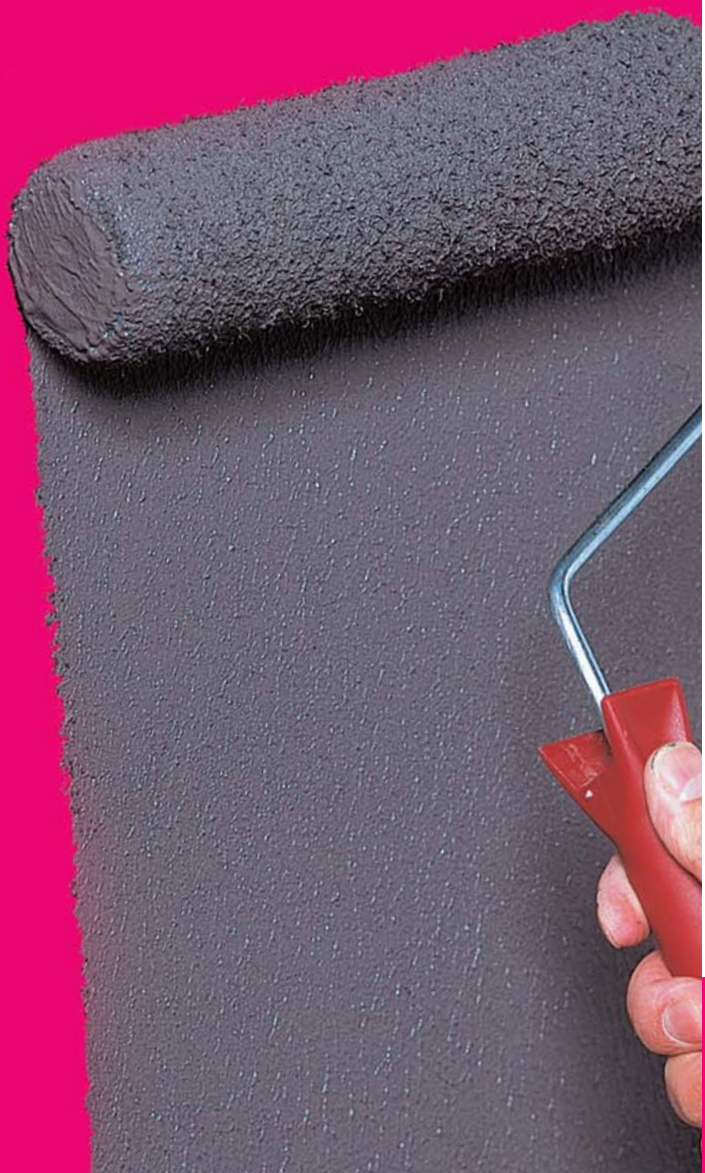


WPC Sample Inside!



The sample strip of ARDEX WPC was mixed to a consistency suitable for an overall application by brush or paint roller.

By varying the proportions of the two components, a non-flowing, trowel applied paste can be obtained for filling holes, gaps and joints.



Density

Trowel application approximately 1.4kg/litre.



Roller/brush application approximately 1.3kg/litre.

Pot Life of mixed material: Approximately 45 minutes at 20°C.

Time between coats: 30 minutes at 20°C.

Fixing of tiles: 60 minutes after applying final coat at 20°C.

Coverage:

Application by spatula, pallet knife or trowel. Approximately 1.75kg ARDEX WPC liquid + 2.5kg ARDEX WPC powder per m² at 3mm thickness i.e. 4.25kg of Mix No.1 per m² at 3mm.



Application by brush/roller. Approximately 0.75kg ARDEX WPC liquid + 0.75kg ARDEX WPC powder per m² at 0.8mm thickness i.e. 1.5kg of Mix No.2 per m² at 0.8mm or 6.6m² per 10kg unit at 0.8mm.

Packing/Storage:

ARDEX WPC liquid is in polyethylene containers - net weight 5kg. Protect from frost and direct sunlight.

ARDEX WPC powder is packed in paper sacks incorporating a polyethylene liner - net weight 5kg. Store in dry conditions.

Storage life:

ARDEX WPC liquid and powder has a storage life of not less than 12 months in the original unopened containers.

Health & Safety Guidance:

Store dry, out of direct sunlight and protect from frost. Contains Portland cement. R36 Irritating to eyes.

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

S37/39 Wear suitable gloves and eye/face protection.

ARDEX materials are also manufactured in Australia, Austria, Denmark, Germany, Spain, U.S.A., and represented throughout the world.

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.

For further technical information consult:

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