



CI/SfB

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MARCH 2005
BUILDING DIVISION
PRODUCT DATA SHEET

ARDEX D 30

Commercial and Domestic Ready Mixed Wall Tile Adhesive

Features

Ideal for use in commercial and domestic showers, kitchens and bathrooms

No primer required – save time and money

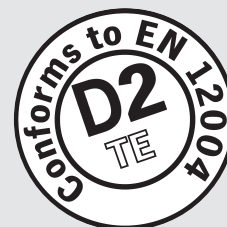
Up to 20 minutes open time

Up to 20 minutes tile adjustability

Excellent adhesion, conforms to BS EN 12004:2001 as type D2 TE adhesive

Non-slip and easy to use

Suitable for all tile types including porcelain



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ARDEX D 30

Commercial and Domestic Ready Mixed Wall Tile Adhesive

DESCRIPTION

ARDEX D 30 is a water resistant, non-slip ready mixed wall tile adhesive. The BS EN 12004 D2 TE designation for ARDEX D 30 classifies the adhesive as an "improved dispersion adhesive with additional characteristics, reduced slip and extended open time". The additional characteristics for ARDEX D 30 determined in accordance with BS EN 12004 are a high adhesion strength after water immersion and a high adhesion strength after exposure to elevated temperatures making this product ideal for use in commercial and domestic showers, kitchens and bathrooms.

ARDEX D 30 can be applied to most backgrounds including gypsum plaster, paper-faced boards, concrete, cement and sand render, rigidly braced and stable sheets and boards e.g. plywood and chipboard, and will also adhere to existing ceramic tiling.

In wet locations the background to be tiled onto should be suitable for use in showers, i.e. cement and sand render, Marmox or Wedi tilebacking boards. If a waterproof protection coat is required to prevent ingress of moisture into the background the surface should initially be treated with ARDEX S 1-K Ready Mixed Waterproof Coating for domestic locations or ARDEX WPC Rapid Setting Waterproof Coating for both commercial and domestic areas.

APPLICATION

Ensure that the substrate is mature, sound, dry and free of dust, dirt, oil, grease and other surface contamination. Use ARDEX DGR to remove oil, wax, grease etc.

Weakly adhered paint coatings, whitewash and other friable materials should be removed. Plaster surfaces that are dry and firm can be tiled directly with ARDEX D 30 but in all cases the plaster must be of sufficient strength to carry the weight of the tiling. Ensure any trowelled in plaster dust is removed using a stiff brush. Overtrowelled or water flashed plaster will require light wire brushing to remove the weak surface film prior to fixing.

In permanently wet locations e.g. swimming pools and external locations use the appropriate ARDEX or ARDEX-FLEX cement-based adhesives.

FIXING TECHNIQUE

ARDEX D 30 adhesive is applied to give a uniform coating on the area being tiled and then combed through with a notched trowel to give a straight ribbed adhesive bed into which the ceramic tiles are bedded.

ARDEX D 30 is classified as having an extended open time of not less than 30 minutes when measured in accordance with BS EN 12004. For optimum performance under typical UK site conditions tiles should be fixed within 20 minutes and can be adjusted for up to 20 minutes.

The high initial grab of ARDEX D 30 is such that battens and spacers are generally not required. Porous backed tiles can be fixed directly to existing wall tiles, ARDEX S 1-K or ARDEX WPC.

If non-porous backed tiles e.g. porcelain/fully vitrified are to be fixed to existing tiles, an initial smoothing layer of ARDEX D 30 should be applied to the existing surface, approximately 2mm to 3mm thick, and be left to harden for 24 hours, to provide an absorbent surface prior to fixing.

In wet areas the adhesive coverage should be checked occasionally to ensure that a solid bed of adhesive is achieved which may require buttering of the tile back immediately prior to fixing.

GROUTING

Grout the tiles when the ARDEX D 30 has hardened, i.e. 24 hours after fixing. We recommend the use of ARDEX or ARDEX-FLEX cement-based grouting compounds for general tiling.

Movement joints should be incorporated as advised in BS 5385-1 i.e.

over existing and/or structural movement joints; where tiling abuts other materials;

where tiling is continuous across junctions of different background materials;

in large tiled areas, at internal vertical corners and at 3m to 4.5m centres horizontally and vertically;

where stresses are likely to be concentrated, for example at changes of alignment.

COVERAGE

Approximately 1 litre per m² using a 3mm x 3mm toothed and notched trowel.

PACKAGING

ARDEX D 30 is packed in a plastic tub - 10 litres net volume.

STORAGE AND SHELF LIFE

Store out of direct sunlight. Protect from frost. ARDEX D 30 has a storage life not less than 12 months if stored in original unopened containers.

PRECAUTIONS

ARDEX D 30 is non-hazardous in normal usage, however, good hygiene practices should be followed. Avoid contact with skin, wash off with soap and water before drying takes place.

In case of contact with eyes, rinse carefully and thoroughly with water and seek medical advice. In case of ingestion seek medical help.

For further information consult the relevant health and safety data sheet.

TECHNICAL DATA

Paste colour:	off white
Density of ARDEX D 30 adhesive:	approximately 1.6kg/litre
Adhesive bed thickness:	maximum 3mm
Setting time:	24 hours
pH value:	approximately 9

PROPERTIES TESTED TO BS EN 12004

Extended Open Time: More than 0.5 N/mm² tensile adhesion strength achieved after not less than 30 minutes

Slump Resistance: Slip - less than 0.5mm

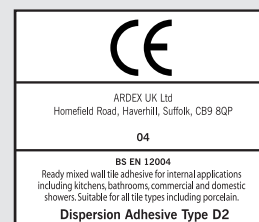
Shear Adhesion Strength

Initial shear strength: not less than 1.0 N/mm²

Shear strength after water immersion: not less than 0.5 N/mm²

Shear adhesion at elevated temperature: not less than 1.0 N/mm²

Shear strength after heat aging: not less than 1.0 N/mm²



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.