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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



Reg No. FM 1207



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# ARDEX D 30

## Commercial and Domestic Ready Mixed Wall Tile Adhesive

### DESCRIPTION

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

### USE

ARDEX D 30 is used for fixing ceramic tiles and mosaics to gypsum plaster, paper-faced plasterboards, concrete, cement and sand renders, stable and rigidly braced sheets and boards e.g. plywood and chipboard, as well as for fixing porous bodied tiles to existing ceramic tiling.

### PREPARATION

Ensure that the substrate is sound, dry and free of dust, dirt, oil, grease and other surface contamination. Use ARDEX DGR degreaser to remove oil, wax, grease etc. Paint coatings, whitewash and other friable materials should be removed.

In wet locations the background to be tiled onto should be suitable for use in showers, e.g. cement and sand render, WEDI, Schluter, Marmox or similar 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 WPC Rapid Setting Waterproof Coating for both commercial and domestic areas.

### APPLICATION

ARDEX D 30 adhesive is applied to the wall with a trowel, pressing the adhesive into the surface and trowelling out to give a uniform coating on the area being tiled. The applied adhesive should then be combed through with a notched trowel to give a straight ribbed adhesive bed into which the ceramic tiles are bedded. For fixing vitrified or porcelain tiles larger than 150mm x 150mm or porous bodied tiles larger than 300mm x 300mm use the appropriate ARDEX cement based adhesive.

One or both of the surfaces must be absorbent.

Where this is not possible use the appropriate ARDEX cement based adhesive.

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

ARDEX D 30 is classified as having an extended open time of not less than 30 minutes when measured in accordance with BS EN 1346. For optimum performance under typical UK site conditions tiles should be fixed within 20 minutes and can be adjusted for up to 20 minutes. This area will depend on the absorption of the substrate and site conditions (temperature & humidity).

The high initial grab of ARDEX D 30 is such that battens and spacers are generally not required.

Porous bodied tiles can be fixed directly to existing wall tiles, or on to ARDEX WPC.

If non-porous bodied 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 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 in the ribbed adhesive bed.

**NOTE:** The maximum weight of tiling per square metre on gypsum plaster is 20kg and for plasterboard is 32kg. New plasterwork should have been completed for at least 4 weeks, and should be dry throughout prior to fixing ceramic tiles. Finish plaster should be specified and applied to provide a sound, matt finish. If trowelling of the surface has produced a smooth, shiny or dusty surface, this must be removed by wire brushing to leave a clean, sound and dust free surface prior to tiling. In all cases the plaster must be of sufficient strength to carry the weight of the tiling. Allow render to air dry for at least 2 weeks prior to tiling.

In frequently used showers or power showers, the surface should initially be treated with ARDEX WPC Rapid Setting Waterproof Coating before the wall tiles are fixed to prevent ingress of moisture into the background. Porous bodied tiles can be fixed in such areas using ARDEX D 30 Commercial and Domestic Ready Mixed Wall Tile Adhesive. In permanently wet locations e.g. swimming pools and external locations, use the appropriate ARDEX cement based adhesive such as ARDEX X 77 MICROTEC Flexible Wall and Floor Tile Adhesive.

### GROUTING

Grout the tiles when the ARDEX D 30 has hardened, a minimum of 24 hours after fixing. We recommend the use of an appropriate ARDEX-FLEX cement-based grout for general tiling. Allow up to 3 days before grouting when fixing on impervious or non-porous backgrounds.

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 m<sup>2</sup> using a 3mm x 3mm toothed and notched trowel.

### PACKAGING

ARDEX D 30 is packed in plastic tubs - 10 litre net volume.

### STORAGE AND SHELF LIFE

Store out of direct sunlight. Protect from freezing. 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 approximately adhesive:	1.6kg/litre
Adhesive bed thickness:	maximum 3mm
Drying time:	24 hours
pH value:	approximately 9

### PROPERTIES TESTED

Extended Open Time (BS EN 1346):	More than 0.5 N/mm <sup>2</sup> tensile adhesion strength achieved after not less than 30 minutes
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Slip Resistance (BS EN 1308):	Slip - less than 0.5mm
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Shear Adhesion Strength: BS EN 1324	
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Initial shear adhesion strength:	not less than 1.0 N/mm <sup>2</sup>
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Shear adhesion strength after water immersion:	not less than 0.5 N/mm <sup>2</sup>
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Shear adhesion strength at elevated temperature:	not less than 1.0 N/mm <sup>2</sup>
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Shear adhesion strength after heat aging:	not less than 1.0 N/mm <sup>2</sup>
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**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:

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