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PRODUCT DATA SHEET

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# ARDEX E 101

## Grout Improver Admix

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### Features

- For use with ARDEX F 4, C 2 and GK cement-based tile grouts
- For flexible and water repellent joints
- Enhances protection for moisture sensitive backgrounds
- For use when grouting tile joints on heated sub-floors
- Recommended when tiling to wood-based sheets and boards
- Provides increased adhesion to the sides of dense tiles



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# ARDEX E 101

## Grout Improver Admix

### DESCRIPTION

ARDEX E 101 is a special synthetic resin dispersion for use either in conjunction with ARDEX cement-based grouts, or normal cement/sand grouting mortar in internal and external situations. The addition of ARDEX E 101 admix gives elastic and water repellent properties to the set and hardened grout as well as improving adhesion. The modified mortar can be used for grouting ceramic wall and floor tiles, ceramic and glass mosaics, brick slips etc.

### USE

ARDEX E 101 is used to provide:- Additional protection to moisture sensitive substrates in bathrooms, showers and kitchens.

Water repellent joints between tiles on balconies, on external cladding etc.

Improved flexibility for joints between tiles fixed to backings subject to movement such as plasterboard, chipboard, plywood etc.

Increased elastic properties for joints between tiles fixed to heated sub-floors and to substrates subject to limited moisture movement.

### MIXING

ARDEX E 101 should be diluted with an equal volume of clean water prior to mixing with ARDEX C2, ARDEX GK and cement/sand mixes. For use with ARDEX F4 dilute the ARDEX E 101 with two volumes of clean water. Use a clean mixing container and add the cement-based grout to the diluted ARDEX E 101 whilst stirring thoroughly to obtain the required consistency.

### APPLICATION

The ARDEX grout, incorporating ARDEX E 101, is applied using a rubber squeegee, working the mixed grout thoroughly into the joints to ensure that they are completely filled. Excess grout on the tile surface should be removed as work proceeds.

Any residues left on the tiles should then be cleaned off with a damp sponge. If the mortar is allowed to dry and harden on the tile surface, cleaning off will be difficult.

**NOTE:** The colour of a grout mixed with water may not match the colour of the same grout mixed with ARDEX E 101. Therefore use the same mix throughout to obtain a uniform grout colour. Certain types of tile may be prone to surface discolouration or scratching when using grout mortars, e.g. some natural stone or absorbent, textured or soft glazed ceramic tiles. Consult either BS 5385 : Part 1 for further information or consult the tile manufacturer/distributor for advice. If in doubt carry out a trial application with the grout mortar.

Additional information on natural stone products may be found in the ARDEX natural stone tiling guide.

### MATERIAL REQUIREMENT

Approximately 1kg ARDEX E 101 per 11kg bag of ARDEX grout.

### PACKAGING

Polyethylene containers of 5kg and 1kg.

### STORAGE AND SHELF LIFE

ARDEX E 101 must be stored in unopened packaging, clear of the ground in cool dry conditions and be protected from excessive draught, frost and direct sunlight. If stored correctly, as detailed above, the shelf life of this product is 12 months from the date shown on the packaging.

### PRECAUTIONS

Aqueous synthetic based dispersion. Wash off from skin before drying takes place. Any material splashed into the eye, mouth or nose should be washed away immediately with clean water. Avoid ingestion. Non-toxic and small amounts are unlikely to cause more than temporary discomfort. If large amounts are swallowed a doctor or hospital must be contacted at once.

### TECHNICAL DATA

The modulus of elasticity of ARDEX grouts improved with ARDEX E 101 is between 5000 and 6500 N/mm<sup>2</sup>.

**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**  
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