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# ARDEX FS DD

## Flexible Water Repellent and Dirt Resistant Fine Tile Grout

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Water repellent due to special hydrophobing agent

Dirt Resistant – Longer lasting new look, as dirt is unable to enter grout

Contains ARDEX Grout Shield to combat mould growth

For use in joints up to 4mm wide without shrinkage

Exceptionally easy to clean off, even 24 hours after initial clean off with no residue on tile surface

Walk on after 5 hours

Improved colour consistency with less chance of efflorescence

Suitable for internal or external use on wall and floor applications

Extremely low VOC content

Available in a range of colours

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# ARDEX FS DD

## Flexible Water Repellent and Dirt Resistant Fine Tile Grout

### DESCRIPTION

ARDEX FS-DD is a non-sanded cement-based, wall and floor grouting compound which is specially designed to be water and dirt resistant making it ideal for wet areas such as showers. ARDEX FS-DD is easy to apply and fast drying, with final cleaning able to be completed 24 hours after initial wash off with no residue left on the tile surface. The hardened grout is exceptionally easy to keep clean and will maintain its appearance as no water and dirt residue can seep into the grout joints. It is further protected from mould growth due to the addition of ARDEX Grout Shield which combats fungal and algal growth.

ARDEX FS-DD is suitable for use internally or externally and is especially suited to surfaces prone to scratching such as porcelain. ARDEX FS-DD can also be used on timber floors and in swimming pools with the addition of ARDEX Grout Booster. It is available in a range of colours and can be used for both commercial and domestic applications.

### FOR GROUTING (tile types)

Porcelain, ceramic tiles, terrazzo, slate, quarry tiles, glass and moisture insensitive natural stones

### PREPARATION

Ensure joints are clean and free from dust, excess adhesive and bedding mortar. Do not grout until the adhesive has set firmly. All 'spacers' must be removed from joints.

Prior to grouting, it is advisable to check ease of cleaning with tiles that have a textured or matt surface.

### MIXING

ARDEX FS-DD powder is added to clean water in a clean container whilst stirring thoroughly to give a lump free, paste like, creamy mortar. A 20kg bag of ARDEX FS-DD requires approximately 6 litres of water.

For swimming pools and timber floors, first dilute ARDEX Grout Booster with water (80% Booster: 20% water). Then mix 6L of diluted ARDEX Grout Booster per 20kg powder.

The pot life of the mixed mortar is approximately 2.5 hours at 23°C and 50% relative humidity.

### APPLICATION

Work grout into the joints using a rubber trowel. Compact the grout firmly into the joints ensuring they are completely filled, minimising the amount left on the tile surface. Allow the grout to firm up in the joint before clean-up. For tiles set on a thick bed of adhesive, it is preferable to ensure the adhesive has fully cured so as to minimise the chance of moisture affecting the colour of the grout.

Wipe tile surface with damp dense sponge, working diagonally across tile joints. Use a

minimum amount of water to avoid water float and/or shade variation, efflorescence and shrinkage. Any dry film remaining on the tile surface can be removed when the grout has hardened in the joints by polishing the tile surface with a dry cloth, making sure no smears are left on surface.

In exterior conditions it is essential to provide protection from all extremes of climate during the whole fixing and grouting operation and for as long as possible afterwards.

When using ARDEX Grout Booster, ensure all cleaning off is completed before the grout dries on the tile face otherwise difficulties during cleaning may be experienced. All tools should be cleaned with water immediately after use.

### DRYING TIME

Initial set and light traffic after 5 hours, heavy traffic after 24 hours at 23°C and 50% relative humidity. Allow longer for dense tiles, lower temperatures or high relative humidity. Note: ARDEX FS-DD is water repellent and dirt resistant; therefore no grout sealer should be required. If desired however, grout sealers can be applied after 24 hours.

### PACKAGING

ARDEX FS-DD is packed in poly bags and polylined paper sacks – net weight 5kg (1.5kg and 20kg Ultra White only).

### SHELF LIFE

ARDEX FS-DD has a shelf life of not less than 12 months for 20kg and not less than 24 months for 1.5kg and 5kg, when stored in the original, unopened packaging, in a dry place at 23°C and 50% relative humidity.

Pay attention to the following:

Do not use ARDEX FS-DD for chemical resistant joints, use ARDEX WA or ARDEX Abapoxy.

The likelihood of colour shade and efflorescence are reduced, however certain site conditions, finishing techniques and uneven drying conditions may cause this to persist.

Certain types of tile may be prone to surface discoloration, e.g. some moisture sensitive natural stones or tiles with absorbent or textured surfaces. Porous face tiles e.g. terracotta, should be sealed prior to grouting to prevent staining.

In swimming pool applications, colours may bleach over time. Use ARDEX FS-DD Ultra White (390) mixed with diluted ARDEX Grout Booster. Full cure and ready for chemicals after 14 days. For public pools ARDEX Abapoxy is recommended.

For expansion or movement joints, use ARDEX silicone sealant.

### SAFETY PRECAUTIONS

This product is considered non hazardous in normal usage. The presence of cement in the product gives an alkaline mortar which may cause some irritation if prolonged contact with skin takes place. Avoid contact with skin and eyes; in case of contact with the eyes, rinse immediately with plenty of water and seek medical advice; wear suitable gloves and eye protection and keep the product out of the reach of children. Avoid generation of airborne dust during mixing. If swallowed do not induce vomiting, give a glass of water and contact a doctor.

For further material safety data, consult the latest Material Safety Data Sheet.

### QUALITY PRODUCT

ARDEX FS-DD is manufactured and tested to ARDEX procedures which are maintained in accordance with Quality System Standard ISO 9001

### TECHNICAL DATA

**Colour:** Various  
**Mixing Ratio:** Approx 6 litres water per 20kg powder

**Application Properties at 23°C and 50% RH**  
**Pot life:** 2.5 hours  
**Drying time:** Initial set 5 hours, full cure 7 days  
**Underfloor heating:** Yes  
**Application temperature:** 5°C or above

**Mechanical Properties (AS 4992)**  
**Compressive strength, 14 days:** 20 MPa  
**Flexural strength, 28 days:** 6 MPa  
**Classification:** CG1

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This data sheet was issued in January 2018 and is valid for 3 years, in some instances a newer version may be published. Always refer to [www.ardexaustralia.com](http://www.ardexaustralia.com) for the latest technical data from ARDEX Australia Pty Ltd.

### COVERAGE

Coverage will vary according to tile size, joint width and depth, as well as the method of application and on site condition. Allow an additional 15 - 20% for wastage.

Tile Size (mm)			Coverage in kg/m <sup>2</sup>		
			Joint Width		
length	width	depth	1.5mm	3mm	4mm
50	50	5	0.6	1.2	1.6
100	100	5	0.3	0.6	0.8
150	150	5	0.2	0.4	0.5
300	300	5	0.1	0.2	0.3
600	600	10	0.1	0.2	0.3