



ARDEX FS DD

Flexible Water Repellent and Dirt Resistant Fine Tile Grout

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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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.

QUALITY PRODUCT

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

SAFETY DATA

This product may cause irritation and an allergic reaction to the skin. It may cause serious eye injury and irritation to the respiratory system. In case of contact with the eyes rinse with running water until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Wear protective gloves, clothing, eye and face protection. Avoid inhaling dust/fumes/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. Store locked up. Check with your local Council regarding the disposal of contents, dispose of packaging thoughtfully and recycle where possible. Keep out of the reach of children. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell. Additional information is in the Safety Data Sheet (SDS) at www.ardexaustralia.com

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 |

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 ² | | |
|----------------|-------|-------|-------------------------------|-----|-----|
| | | | 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 |

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GUARANTEE

ARDEX Australia Pty Ltd (“we” or “us”) guarantees this product (“our goods”) is free from manufacturing defects and will perform to any applicable specification published by us for 10 years from the date of purchase. Our liability under this guarantee is limited at our option to replacement of the product, repair of any damage to the immediate surface or area of application of the product, or compensation, in each case if we are satisfied loss or damage was due to a breach of this guarantee. This guarantee does not apply if damage or loss is due to failure to follow published instructions or any act or circumstance beyond our control, including shade variations and efflorescence. If you wish to make a claim under this guarantee you must notify us (ARDEX Australia Pty Ltd, 20 Powers Road Seven Hills NSW 2147; Toll Free: 1800 224 070; Email: technicalservices@ardexaustralia.com) and provide evidence of your purchase of the product within 30 days of any alleged loss or damage occurring. We reserve the right to ask you for satisfactory evidence of any alleged loss or damage. Any claim under this guarantee is at your cost. This guarantee is in addition to any rights or remedies you may have as a “consumer” under the Australian Consumer Law and to that extent you need to be aware that: “Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss of damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure”.

DISCLAIMER

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standards. Our instructions and recommendations are only for the uses they are intended. Users are advised to confirm that this product is suitable for their application and conforms with the specifications of the system. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

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This data sheet was issued in December 2019 and is valid for 3 years, in some instances a newer version may be published. Always refer to www.ardexaustralia.com for the latest technical data from ARDEX Australia Pty Ltd.