

Technical Data Sheet

Date of compilation: 09/09/2021

ARC WALL TILE GROUT

DESCRIPTION

Arc Wall Tile Grout is a cement-based, polymer modified joint filling compound for tile joints up to 3mm wide around all types of ceramic floor and wall tiles. Arc Wall Tile Grout is formulated to provide a non-slump, readily compactable grouting slurry, which can be easily applied across all types of ceramic tiled surfaces using a sponge or rubber squeegee. Arc Wall Tile Grout will dry to a hard, durable and water-resistant finish, suitable for internal and external locations. In fully immersed locations, the inclusion of Palaflex in the grout mix can enhance water repellent properties.



SURFACE PREPERATION

Check that all tiles are securely fixed and that the adhesive has thoroughly dried before applying any load or pressure to the tiled surface. Ensure all joints are raked clear of any excess adhesive residues to allow an even and consistent depth of grout to be applied in all areas. Tiling applied to wood panelled surfaces, where slight movement is likely should be grouted with Wall Tile Grout mixed with PALAFLEX diluted 1 : 1 with water to improve flexural adhesion strength. Note: Certain types of tile may be porous and hence prone to surface discolouration. Natural stone and porous, un-glazed tiles are particularly prone to absorption of grout fines. Apply mixed grout to a spare tile to determine whether staining is likely and consult the tile manufacturer prior as to whether they recommend a suitable sealing compound to protect the surface.

MIX PREPARATION

Arc Wall Tile Grout should be added to water in a clean container whilst mechanically stirring and mixing thoroughly to give a smooth, consistent and easily worked mortar. The recommended mixing proportions by volume are approximately 1 part water to 2 parts powder (4.2 litres per 10kg of powder). Do not add more water than is necessary as this may prolong drying and significantly reduce the compressive strength of the cured grout. Part-used grout should never be "freshened up" with later water additions, but should always be discarded once it appears to lose workability. In ideal conditions (20°C), Arc Wall Tile Grout will remain workable for 2 to 3 hours and then reach final set after about 24 hours. When grouting over a large area using several bags of grout, ensure all mixes are from the same batch and that a consistent and identical water addition is used for each mix.

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APPLICATION METHOD

Use a rubber squeegee, or smooth sponge to work the grout thoroughly and consistently into the tile joints, removing the excess as work proceeds across the tiled area. Fine grout residues can be washed away with a lightly damp cloth or sponge up to 2 hours after application, with a final clean finish being achieved using a dry cloth to polish the surface when the joints have dried and hardened. Arc Wall Tile Grout mixed with Palaflex diluted as 1 to 1 with water will be more difficult to remove from tiled surfaces when dry therefore extra care is necessary to ensure residues are completely removed as the application proceeds.

COVERAGE

This will depend on the tile size, joint width and depth and the Grout Coverage Factor, which for Arc Wall Tile Grout is 1.5. The approximate grout requirements for square or rectangular tiles can be estimated as follows:

(Tile length + Tile width) x Joint width x Joint depth x 1.5/(Tile length x Tile width)

| Joint Width | Tile Size(mm) | Floor Grout |
|-------------|----------------|-----------------------|
| 2mm | 150 x 200 x 6 | 0.21kg/m ² |
| 3mm | 100 x 100 x 4 | 0.36kg/m ² |
| 2mm | 200 x 250 x 10 | 0.27kg/m ² |
| 2mm | 150 x 150 x 4 | 0.16kg/m ² |
| 3mm | 300 x 200 x 10 | 0.38kg/m ² |
| 3mm | 250 x 200 x 6 | 0.24kg/m ² |

You can use our free online grout calculator at arcbuildingproducts.ie/calculators for an estimator of how much grout is needed based on the tile size and the total area to be grouted.

TECHNICAL DATA

| Mix Ratio | Pot Life | Initial Set | Final Set | Wet Bulk Density |
|--------------------------------|----------------|-------------|-----------|------------------|
| 2 parts powder to 1 part water | 90-120 minutes | 3-4 hours | 24 hours | 1.85kg/litre |

STORAGE & PACKAGING

This product has a shelf life of 12 months if stored in its original unopened packaging in normal dry conditions. It is supplied in 10kg multi-ply moisture resistant paper sacks.

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HEALTH & SAFETY

Arc Wall Tile Grout contains Portland cement and is therefore classified as irritating to eyes and skin. Consult the Arc Wall Tile Grout material safety data sheet for advice on handling and safety procedures.

NOTE

All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Full information and advice is freely available from our Technical Services Department e-mail technical@arcbuildingproducts.ie. Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.