

# Technical Data Sheet

Date of compilation: 09/09/2021

## ARC PRO-LINE GROUT

### DESCRIPTION

A Highly versatile cement based wall & floor grout containing anti mould technology. Pro-line Grout is flexible and is suitable for use on substrates with limited movement such as under floor heating and timber substrates as well as more common substrates such as concrete. Pro-line Grout is ideal for grouting joints between 2mm & 15mm.

Pro-line Grout has very low permeability and is therefore suitable for areas subject to prolonged or permanent water immersion such as wet rooms, showers & swimming pools. It also contains special additives to increase water repellence resulting in a bead effect. Pro-line Grout dries to a durable, shrink resistant, mould resistant and water resistant finish that is suitable for internal and external use.

Pro-line Grout is suitable for grouting ceramic, porcelain, mosaic, glass, quarry, terracotta and natural stone tiles.

Note: Certain types of natural stone and porous tiles are prone to scratching or surface discolouration with the use of fine grouts. We strongly advise the testing of the grout on a spare tile before grouting the tiled area. Where necessary, apply a protective treatment to the surface to ensure the grout does not penetrate the porous surface of the tiles.

If using an acid based treatment to clean the tiled and grouted area we recommend trying a test area first. Acid based products can cause discolouration to the grout.



### SURFACE PREPERATION

Before grouting the tile joint, ensure the tile adhesive has set & dried, and that the tiles are firmly bonded to the substrate. Under normal circumstances, standard set adhesive should be left for 24 hours and rapid set adhesive 3 hours before grouting commences. Ensure the tile joints are clean, free of dust and other contaminants. Excess adhesive should be removed from the joints while still fresh.

### MIX PREPARATION

It is recommended to use a low speed mechanical mixer. Gradually add the Pro-line Grout to clean water in a clean mixing container and mix thoroughly until a smooth, creamy, consistent mortar is achieved. After mixing allow to stand for 2-3 minutes and briefly re-stir the mixture approximate guide for powder to water ratio, 1kg of powder requires between 300ml and 350ml of water.

Once mixed the grout remains workable for approximately 30 minutes at 20°C; however

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this time will be extended by lower temperatures and reduced by higher temperatures. Do not add water after initial mixing as this will weaken the mix and could lead to cracking. It may also cause discolouration to the grout.

### APPLICATION METHOD

Using a rubber float work the mixed grout thoroughly into the joints ensuring they are completely filled. Excess grout should be removed as work proceeds by moving the rubber float diagonally across the tiles to prevent removal of grout within the joints.

#### WARNING:

Residue left on the surface of the tile must be removed by wiping off with a damp cloth or sponge approximately 45-60 minutes after application. Any dry film can be removed by polishing off with a clean, dry cloth once the grout has hardened into joint.

All material used during application such as tools and cloths must be clean and free of contaminants likely to cause staining to the grout. Clean tools immediately after use with clean water.

#### EXTERNAL AREAS:

Ensure the tile adhesive is completely set before grouting begins. Follow the application instructions above. Do not apply when rain is imminent and once grouting complete, protect the grouted area from rain/wet conditions for 24 hours.

#### READY FOR USE:

Pro-line Grout will reach final set after 24 hours at 20°C and may be put into service. Wet areas such as showers, wet rooms and swimming pools must be left 3 days before coming into contact with water.

### COVERAGE

This will depend on the tile size, joint width and depth and the Grout Coverage Factor, which for Arc Pro-Line Grout is 1.56. 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 1.56/(Tile length x Tile width)**

Tile Size(mm)	3mm Joint Width	6mm Joint Width	12mm Joint Width
Mosaic: 24 x 24 x 10	3.91kg/m <sup>2</sup>	7.81kg/m <sup>2</sup>	15.63kg/m <sup>2</sup>
150 x 150 x 8	0.5kg/m <sup>2</sup>	1kg/m <sup>2</sup>	2kg/m <sup>2</sup>
300 x 300 x 10	0.31kg/m <sup>2</sup>	0.63kg/m <sup>2</sup>	1.25kg/m <sup>2</sup>
600 x 600 x 10	0.16kg/m <sup>2</sup>	0.31kg/m <sup>2</sup>	0.63kg/m <sup>2</sup>

You can use our free online grout calculator at [arcbuildingproducts.ie/calculators](http://arcbuildingproducts.ie/calculators) for an estimator of how much grout is needed based on the tile size and the total

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area to be grouted.

### TECHNICAL DATA

Pro-Line Grout contains a reducing agent to control the level of Chromium VI. When stored correctly the activity of the reducing agent will be maintained and the product when mixed with water will product no more than (0.0002%) 2ppm of Chromium VI of the total weight of the dry cement. Use of the product after the end of the declared self-life may increase the risk of an allergic reaction.

Standard Conformity	Conforms to BS EN 13888 Class: CG2
Joint Widths	2mm-15mm
Open/Working Time	Approximately 30 minutes at 20°C
Light Foot Traffic	Approximately 3 hours at 20°C
Set Time	24 Hours
Application Temp.	5°C - 30°C

### STORAGE & PACKAGING

This product has a shelf life of 12 months if stored in its original unopened packaging in normal dry conditions.

Size	Colours
2.5kg	White, Silver Grey, Mid Grey, Ivory.
5kg	White, Silver Grey, Mid Grey, Dark Grey, Ivory, Beige, Brown, Charcoal, Limestone, Sandstone.

### HEALTH & SAFETY

Arc Pro-Line Grout contains Portland cement and is therefore classified as irritating to eyes and skin. Consult the Arc Pro-Line 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](mailto: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.