

Fexible wall and Floor tile grout



FTG 2-20mm is a specially formulated, flexible, cement based wide joint grout. It is manufactured using high quality fine fillers to improve ease of finishing and high-performance additives and polymers to resist dirt pick-up. FTG 2-20 is suitable for grouting ceramic, fully vitrified tiles, natural stone, and mosaics and in a variety of applications including overheated screeds and in power showers

ADVANCED STAIN RESISTANT FORMULATION 2 – 20mm JOINT WATER RESISTANT RESISTS FUNGAL & MOULD GROWTH FLEXIBLE WIDE RANGE OF COLOURS BS EN 13888 TYPE CG2W





Version: 02 Issued: May 22

TECHNICAL INFORMATION:

PRODUCT INFORMATION	
FORM:	Powder
STANDARD COLOUR(S):	Platinum Grey, Graphite Grey and Charcoal Grey
HAZARD INFORMATION:	IRRITANT – Consult Safety Datasheet before use
CLEANING:	Clean tools, equipment, etc. Using warm water. Mechanical means are necessary when the product has set.
PACKAGING:	5 kg plastic bags
STORAGE CONDITIONS:	Store in sealed containers in dry conditions, protected from extremes of temperature
SHELF LIFE:	9 months in unopened manufacturer's packaging
APPLICATION INFORMATION	
MIX PROPORTIONS:	Mix 5 kg powder with 1.25 L water, 25% water
POT LIFE:	Approx. 60 minutes @ 20°C
APPLICATION TEMPERATURE:	+5°C to +30°C
JOINT WIDTH:	2-20 mm
TIME TO TRAFFIC:	Light Foot Traffic after 12 hours Full Traffic after 24 hours (depending on site conditions)
COVERAGE:	Dependent on the size of tile, joint width and joint depth. Coverage = $(L+B) \times W \times D \times 2.0$ kg/m ² (L × B) Where: L = length of tile B = breadth of tile W = width of joint D = depth of joint 2.0 = specific gravity of grout E.g. 300 x 300mm tile 8 mm deep, at 6 mm wide joint Coverage = $(300 + 300) \times 6 \times 8 \times 2.0$ = 0.64 kg/m ² (300 x 300)



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TECHNICAL INFORMATION (continued):

*Typical Results to BS EN 13888

PERFORMANCE INFORMATION*	
ABRASION RESISTANCE:	$\leq 2000 \text{mm}^3$
FLEXURAL STRENGTH:	≥ 2.5MPa
COMPRESSIVE STRENGTH:	≥15MPa
SHRINKAGE:	≤ 3mm/m
WATER ABSORPTION:	@30 min ≤ 2g @240 min ≤ 5g
CLASSIFICATION:	Type CG2 W



DIRECTIONS FOR USE:

PREPARATION

All substrates must be suitable to receive tiling as per current good working practices. Ensure the tile adhesive is sufficiently cured prior to commencing grouting. Allow a minimum of 12-18 hours when using standard setting adhesives and ready mixed tile adhesives or 2 - 3 hours when using fast setting adhesives. Ensure that the joints are clean and dust free. **Grout joints** should be a minimum of 2mm, It is recommended that current best practice and in accordance with BS5385 a tile with an area of $.1m^2$ and no side greater than 600mm requires a minimum grout joint of 2mm. A tile with an area of $.1m^2$ to $1m^2$ and no side greater than 600mm requires a minimum grout joint of 2mm. A tile with an area of $.1m^2$ to $1m^2$ and no side greater than 1200mm requires a minimum joint of 3mm. A tile or Panel greater than this requires a minimum of a 5mm grout joint. **Movement Joints** It is important to ensure that there is adequate provision of movement joints in all wall and floor tiling. It is recommended to follow the guidance provided in BS5385, by the TTA and by proprietary joint manufacturers. Ideally, movement joints should be detailed by the designer at the outset. As a guide in external applications max bay size should be $10m^2$; internally with underfloor heating, max bay size should be less than $40m^2$ and internally on stable substrates without underfloor heating, maximum bay size should be less than $100m^2$. All joints in the substrate should also be carried through the tiling. For further information or for situations which are not covered above, consult our website or contact our Technical Dept. e.g. current TTA or COP guidelines are always followed. For further information or for situations which are not covered above, consult our website, or contact our Technical Dept.

MIXING

The grout should be added to clean water and mixed to a thick creamy consistency at approximately 5kg of powder to 1.25L of water. Allow to stand for 3-5 minutes, and then mix again. The mixed grout is usable for up to 60 minutes depending on site temperature and conditions. Do not add extra water as this will cause a loss in performance.

APPLICATION

Apply the grout to the joints with a grouting trowel, squeegee, or sponge, ensuring that the joints are filled. Compact the grout in the joints and clean off excess with a damp cloth or sponge as the grouting proceeds. Allow the grout to harden sufficiently to prevent removal from the joints when cleaning. This hardening will usually occur within

1-2 hours. When cleaning the face of the tiles, the use of excess water may result in colour shade variation and weakness/dustiness in the surface of the grout. In exterior conditions, it is essential to provide protection from all extremes of climate for as long as possible during and after grouting has been completed (a minimum of 72 hours is recommended).

RESTRICTIONS

Variation in the mixing ratio, the use of excessive cleaning water and site conditions may cause a variation in the colour of the grout. Always trial a small area first if there is any doubt over the suitability of either the product or colour. Swimming pools can only be grouted if the chemical nature of pool water permits the use of cementitious grouts (consult TTA guidelines for further advice). Swimming pools should not be filled for at least 3 weeks after grouting. All tile surfaces should be tested before starting to ensure that colour staining will not occur during grouting. Cement based products will take longer to harden and set at lower temperatures and should not be used below 5°C. All tiling should be carried to current best practice, including British Standards and TTA Guidance documents.

The information and recommendations above are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied in accordance with current best practice, national standards and our recommendations. As we have no control over site conditions or methods of application, no liability can be derived from the contents of this information sheet, or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product's suitability for the intended application and is recommended to test the suitability prior to use. We reserve the right to change the properties of our products without notice. All orders are sold subject to our current terms of sale and delivery. With the publication of this Technical Information Sheet all previous editions are no longer valid.

For further information consult our Technical Department BELFAST: 028 9077 4000 DUBLIN: 01 834 8255

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