


LARSEN

TILING

TECHNICAL DATA SHEET

FTG 2-4 Grout

FLEXIBLE WALL & FLOOR TILE GROUT

ADVANCED STAIN RESISTANT FORMULATION

UP TO - 4mm JOINT

WATER RESISTANT

RESISTS FUNGAL & MOULD GROWTH

BS EN 13888 TYPE CG2W

FTG 2-4 mm 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 2-4 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.



TECHNICAL DATA SHEET

PRODUCT INFORMATION

FORM	Powder
STANDARD COLOURS:	White, Cream
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 INSTRUCTIONS	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 1.75 L water, 35% water
POT LIFE:	Approx. 60 minutes @ 20°C
APPLICATION TEMPERATURE:	+5°C to +30°C
JOINT WIDTH:	Up to 4mm
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.

$$\text{Coverage} = \frac{(L + B) \times W \times D \times 2.0}{(L \times B)} \quad \text{kg/m}^2$$

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

$$\text{Coverage} = (300 + 300) \times 6 \times 8 \times 2.0 = 0.64 \text{ kg/m}^2 (300 \times 300)$$

PERFORMANCE INFORMATION

ABRASION RESISTANCE:	< 2000mm ³
FLEXURAL STRENGTH:	> 2.5MPa
COMPRESSIVE STRENGTH:	> 15MPa
SHRINKAGE:	< 3mm/m
WATER ABSORPTION:	@30 min < 2g @240 min < 5g
CLASSIFICATION:	Type CG2 W

*Typical results to BS EN 13888

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 .1m² and no side greater than 600mm requires a minimum grout joint of 2mm. A tile with an area of .1m² to 1m² 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 10m² ; internally with underfloor heating, max bay size should be less than 40m² and internally on stable substrates without underfloor heating, maximum bay size should be less than 100m² . 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 below, consult our website, or contact our Technical Dept.

DIRECTIONS FOR USE (continued)

MIXING

The grout should be added to clean water and mixed to a thick creamy consistency at approximately 5kg of powder to 1.75L 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.