



WIDE JOINT FLOOR TILE GROUT

Issue date – FTG-1/0202

**FOR INTERNAL AND
EXTERNAL APPLICATION**

**SUITABLE FOR JOINTS
UP TO 20MM WIDE**

**AVAILABLE IN A
RANGE OF COLOURS**

DESCRIPTION:

WIDE JOINT FLOOR TILE GROUT is a cement-based, polymer modified joint filling compound, which is available in **GREY; SANDSTONE; CHARCOAL** and **DARK BROWN** for tile joints from 3mm up to 20mm wide around all types of ceramic floor and wall tiles. WIDE JOINT FLOOR TILE GROUT is formulated to provide a flowable, readily compactable grouting slurry, which can be easily applied across all types of ceramic tiled surfaces using a sponge or rubber squeegee. WIDE JOINT FLOOR TILE GROUT will dry to a hard, durable and water-resistant finish, suitable for internal and external locations. In fully immersed locations such as swimming pools, the inclusion of PALAFLEX in the grout mix can enhance water repellent properties.

SURFACE PREPARATION:

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 based surfaces, where slight movement is likely should be grouted with WIDE JOINT FLOOR 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, especially when applying coloured grouts. Natural stone and porous, un-glazed tiles are particularly at risk from permanent discolouration. 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:

WIDE JOINT FLOOR 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 3 parts powder (2.5 litres per 10kg of powder). Do not add more water than is necessary as this may prolong drying, affect colour consistency 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), WIDE JOINT FLOOR TILE GROUT will remain workable for 2 to 3 hours and then reach final set after about 12 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.

APPLICATION METHOD:

Use a rubber squeegee 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 by the next day. WIDE JOINT FLOOR 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 WIDE JOINT FLOOR TILE GROUT is 1.7. The approximate grout requirements for square or rectangular tiles can be estimated as follows:

$$\frac{(\text{Tile length} + \text{Tile width}) \times \text{Joint width} \times \text{Joint depth} \times 1.7}{(\text{Tile length} \times \text{Tile width})}$$

Joint Width	Tile Size (mm)	Floor grout (kg)	Joint Width	Tile Size (mm)	Floor grout (kg)
8mm	300 x 300 x 10	1.0kg/m ²	5mm	150 x 150 x 5	0.60kg/m ²
10mm	200 x 100 x 8	2.0kg/m ²	6mm	108 x 108 x 4	0.75kg/m ²
5mm	200 x 200 x 6	0.5kg/m ²	6mm	250 x 250 x 6	0.50kg/m ²

TECHNICAL SUMMARY:

MIX RATIO:	POT LIFE:	INITIAL SET:	FINAL SET:	WET BULK DENSITY:
3 powder to 1 water (vol:vol)	2 – 3 hours	4 - 6 hours	10 - 12 hours	2.15 kg / litre

STORAGE & PACKAGING:

WIDE JOINT FLOOR TILE GROUT is supplied in 5kg; 10kg and 20kg multi-ply, moisture resistant paper sacks and has a storage life of not less than 12 months if stored in dry, un-opened conditions. WIDE JOINT FLOOR TILE GROUT contains Portland cement and is therefore classified as irritating to eyes and skin. Consult the FLOOR TILE GROUT safety data sheet for advice on handling and safety procedures.

The information provided by this Technical data sheet is given in good faith and is to the best of our current knowledge true and accurate. However it is given without guarantee, as conditions of use and workmanship involved are both beyond our control. All information supplied is subject to the company's terms and conditions of sale, copies of which are available on request.

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PRODUCT IDENTIFICATION:

WIDE JOINT FLOOR TILE GROUT

ALL COLOURS AND BRANDS

COMPOSITION:

A Portland Cement (CAS 65997-15-1) based blend of lime, calcium silicates, calcium aluminates, graded silica sands; spray dried copolymers; organic additives and super - plasticisers

HAZARDS CLASSIFICATION: IRRITANT

Contains **CHROMIUM VI- May produce an allergic reaction**
RISK OF SERIOUS DAMAGE TO EYES

Contact with wet paste may cause dermatitis, irritation or burns
Wear suitable gloves, clothing and eye/face protection.

Avoid contact with skin and eyes.

Avoid breathing dust. Keep out of the reach of children

On contact with skin or eyes rinse immediately with plenty of water and seek immediate medical assistance after eye contact.

FIRST AID MEASURES:

INHALATION:

Avoid working in a poorly ventilated, confined space. Remove to fresh air and rest. If nose or airways become inflamed or breathing difficulties occur, seek medical attention.

SKIN CONTACT:

Wash off skin immediately with warm soapy water. Remove contaminated clothing and launder regularly. Where irritation to skin is apparent seek prompt medical attention.

INGESTION:

Clean out mouth with copious volumes of water and drink plenty. Do not induce vomiting. Seek medical attention if mouth is inflamed

EYE CONTACT:

An instant response is essential. Irrigate thoroughly for 15 minutes with clean running water or eye wash bottle. Seek medical attention if eye irritation becomes inflamed.

FIRE FIGHTING MEASURES:

NON FLAMMABLE

Recommended extinguishers – Dry powder; Foam, CO2 – sacks may support combustion product will not.

Hazardous decomposition when subject to combustion – N/A

Special procedures – N/A

ACCIDENTAL RELEASE MEASURES:

Recover spillages in a dry state wherever possible. Do not allow wet residues to harden. Confine all residues in a clearly marked sealed containers for disposal in accordance with Local Authority regulations for cement-based building products.

HANDLING & STORAGE:

Handling: Lifting operations must be no more than 1 x 25kg sack at a time by a competent operator wearing gloves.

Storage: Store in sealed, clearly marked sacks. Do not stack more than 4 high. Keep out of reach of children in a cool well-ventilated environment, preferably off the ground and out of contact with water

EXPOSURE CONTROL / PERSONAL PROTECTION:

OEL 8hr TWA = 10mg/M3 total inhalable dust - 4mg/M3 respirable dust.

Respiratory:

Good ventilation is always recommended along with a BS approved dust mask

Hand:

Wear 17" long elbow length heavy duty natural rubber gloves or gauntlets approved to EN 374 & EN 420 with a BTT rating of > 8 hrs for strong alkalis

Eye:

Dust proof BS 2092 Goggles or chemical grade visors are also advised wherever there is a risk of dust or paste entering the eyes.

Skin:

PVC overalls should be worn and laundered immediately after use. Do not work in powder or paste contaminated overalls

SAFETY DATA SHEET No. 051 – issue date 16-06-03

PRODUCT: WIDE JOINT FLOOR TILE GROUT

PHYSICO-CHEMICAL PROPERTIES:

Appearance – Coarse grey or coloured powder
Boiling point range – n/a
Solubility – water dispersible
Auto ignition temp – n/a
Specific gravity - 1.35 dry - 2.25 wet
Miscibility – water only
Evaporation rate - N/A

Odour – N/A
Vapour pressure – N/A
Flash point - N/A
Explosive properties - N/A
Viscosity – > 50,000 Mpa.s when mixed.
PH - 11.0 - 12.5
Oxidising properties - N/A

STABILITY & REACTIVITY:

Conditions to avoid - n/a
Materials to avoid – Strong acids
Hazardous decomposition products - n/a

TOXICOLOGICAL INFORMATION:

Routes of exposure – Inhalation, skin contact, eye contact and ingestion.

Key Health effect – severe skin burns and destruction of internal mucous membranes

Acute toxicity: severe eye irritant
ICorrosivity: Damages skin

Sensitisation: Contact & allergic dermatitis
Mutagenicity: n/a

Carcinogenicity: n/a
Reproductive toxicity: n/a

ECOLOGICAL INFORMATION:

Bio-accumulative potential – not expected to bio-accumulate.

Ecotoxicity: strongly alkali – will adversely affect low volume watercourses

Environmental Persistence – Not likely to remain strongly alkali in contact with water after hydration is complete.

DISPOSAL CONSIDERATIONS:

Dried powder, unused product and freshly contaminated application materials must be considered potentially irritant and disposed of in sealed bags in accordance with local authority regulations for building waste.

TRANSPORT INFORMATION:

Not classified for transport purposes

REGULATORY INFORMATION:

CHIP Hazard symbols: Xi - IRRITANT - Contains CHROMIUM VI- May produce an allergic reaction
R41 - RISK OF SERIOUS DAMAGE TO EYES

Safety phrases: S2 – S24/25 – S36/37/39 - S64

Other regulatory controls: Health & Safety @ Work Act 1974;

Control of Substances Hazardous to Health Regulations 1994. Environmental Protection Act 1990.

FURTHER INFORMATION:

The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physico-chemical hazards. The data does not signify any warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work. This data sheet complies with EC Directive 91/155EC.