

EF80

WALL AND FLOOR GROUT

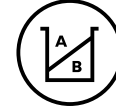
- + Contains 80% Recycled and Reengineered Materials
- + Efflorescence Free Formulation
- + Fast Setting
- + For Joints 1mm - 20mm
- + Mould Stain and Water Resistant
- + Suitable for Grouting Ceramics, Porcelain and Natural Stone
- + Flexible - Ideal for Underfloor Heating Systems
- + Flexible - Ideal for Timber Substrates
- + High Water Resistance - Use in Showers, Wet Rooms, Swimming Pools
- + Easy to Mix and Apply
- + Available in 10 Colours



JOINT WIDTH
1mm to 20mm



FINAL SET
24 Hours



MIXING RATIO
3kg to 0.75 - 0.8
Litres of Water



WORKING TIME
30 Minutes



IDEAL TEMP
5°C to 30°C



STORAGE
12 Months

ECO FUSION GROUT

is a premium, ultra-low carbon grout, cement, and sand free, using 80% recycled materials. It is a highly flexible, versatile, efflorescence free, fast-setting wall and floor grout. Specially formulated using hybrid thickening systems and polarised fillers and carefully selected additives to produce a smooth and controlled workability with superior ease of mixing and application properties.

APPLICATION

Specifically formulated for use in a wide range of applications including:

- + Plywood Overlay
- + Underfloor Heating Systems
- + Grouting Joints in Wall and Floor Tiles Between 1mm - 20 mm Width
- + Due to Low Water Permeability Ideal for Use in Wet Conditions, Wet Rooms and Swimming Pools
- + Use Internally or Externally

NB Certain types of tiles and tile trim may be prone to scratching and surface discolouration with the use of fine joint grouts. Therefore, we strongly advice testing the grout on a spare tile before grouting the tiled area. Where necessary, apply a protective treatment to the surface of the tile to ensure that the grout cannot penetrate the porous surface of the tile.

TILE TYPES

- + Ceramics
- + Porcelain
- + Marble
- + Travertine
- + Limestone
- + Slate
- + Quartz
- + Granite
- + Composite
- + Terracotta
- + Mosaics
- + Quarry
- + Glass

SUBSTRATES

- + Sand/Cement
- + Concrete
- + Plywood Overlay(12 mm min)
- + Electric Underfloor Heating
- + Water/Wet System underfloor Heating
- + Tile Backer Boards
- + Existing Ceramic, Porcelain and Natural Stone Tiles
- + Flooring Grade Asphalt and Bitumen
- + Anhydrite Screeds
- + Plaster
- + Plasterboard

- + Fibre Cement Sheet
- + Cement/ Sand Render
- + Concrete Brick/Block
- + T & G Floorboards
- + Floating Floors
- + Existing Vinyl Tiles
- + Steel/ Metal Surfaces (mixed with Additives)
- + Fiberglass (mixed with Additives)
- + Green Screed

SURFACE PREPARATION

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

MIXING AND APPLICATION

Eco Fusion Grout can be mixed by hand; however, it is recommended to mix using a low-speed mechanical mixer to mix. Add Eco Fusion Grout to clean water and mix thoroughly until a smooth, lump free consistency is achieved.

After initial mixing allow the Eco Fusion Grout to stand for 2 – 3 minutes before briefly re mixing. More powder can be added at this stage if required. As an approximate guide for mixing Eco Fusion Grout, use 250mls of water per 1kg of Powder

Once mixed Eco Fusion Grout will remain workable for approximately 30 – 45 minutes at 20°C, however this time is extended by lower temperatures and shortened by higher temperatures. In order to prolong the working time of Eco Fusion Grout, the grout should be stirred every 10 – 15 minutes. Do not add water after initial mixing as this will cause weakening of the grout and also lead to shrinkage and discolouration of the final grout colour.

APPLICATION

Use a rubber squeegee or a rubber float, work the mixed Eco Fusion Grout thoroughly into the joints, ensuring that they are completely filled and void free.

Excess grout should be removed as the work proceeds by moving the rubber squeegee/float diagonally across the tile to prevent removal of the grout from the filled joints.

Any grout residue left on the surface of the tiles can be removed by wiping off with a damp cloth or sponge once the grout has started to stiffen in the joints (Approx. 15 – 20 minutes when using ceramic tiles and approximately 30 – 60 minutes when using less absorbent tiles, e.g., porcelain tiles.

Any dry film can be removed by polishing off with a clean, dry cloth once the grout has hardened within the joints.

NB: When grouting using a coloured joint grout we would recommend following the instructions below to achieve a uniform finished colour:

- + Do Not use bags from different batches on the same grout job. Batch numbers are clearly displayed on the Eco Fusion Grout packaging.
- + Never mix the grout with more water than recommend by the manufacturer as this could lead to the grout drying patchy.
- + When removing the excess grout from the tiles, try to allow the grout to have stiffened in the joints.
- + When removing the excess grout from the tile, use as little water as possible to “wash off” the tiles.

All material used during the application of Eco Fusion Grout, such as tools and cloths/sponges must be clean and free of contaminants likely to cause staining/discolouration to the finished grout. Clean all tools immediately after use with clean water.

SETTING AND COVERING

In ideal conditions, Eco Fusion Grout will be ready for foot traffic after 3 – 4 hours. It will reach final set after 24 hours at 20°C and may be put into service. Wet area such as showers, swimming pools, wet rooms must be left 3 days before coming in contact with water. Swimming pools must be left at least 3 weeks before being filled and put into service.

STORAGE

This product has a shelf life of 12 months if stored in its unopened packaging in normal dry (frost free) conditions. Do not use below 5°C and do not use in areas subject to permanent water immersion.

HEALTH AND SAFETY

For more information and precautions for use refer to safety data sheet.

The Information given in this technical sheet is given in good faith. Eco Fusion cannot accept liability for loss or damage caused by the incorrect use of its products or poor workmanship. The user must ensure the product's suitability for the application intended and if in doubt should seek written technical advice for the product's application.

COVERAGE CHART PER 1KG UNIT OF GROUT

TILE SIZE	3MM JOINT WIDTH	6MM JOINT WIDTH	12MM JOINT WIDTH
Mosaic 24 x 24 x 10	3.91 kg/m ²	7.81kg/ m ²	15.63 kg/m ²
150 x 150 x 8	0.5 kg/m ²	1 kg/m ²	2 kg/m ²
300 x 300 x 10	0.31 kg/m ²	0.63kg/ m ²	1.25 kg/m ²
600 x 600 x 10	0.16 kg/m ²	0.31kg/ m ²	0.63 kg/ m ²

TECHNICAL SUMMARY

CLASSIFICATION	CG2-WA to EN 13888:2009 Class Cg2
MIXING RATIO	0.75 - 0.8 Litres of Water to 3kg Powder
WORKING TIME @ 20°C	30 - 45 Minutes
IDEAL TEMPERATURE	5°C - 30°C
EXTEND WORKING TIME	Stir Grout Every 15 Mins
FULL SET/TIME TO FOOT TRAFFIC @ 20°C	24 hours
LIGHT FOOT TRAFFIC	Approximately 3 hours
SHELF LIFE	Stored correctly this product has a shelf life of 12 months.
PACK SIZE	3 kg
JOINT WIDTHS	1mm – 20mm
COLOURS	Sandstone Beige Arctic White Limestone Silver Grey Slate Grey Dark Grey Charcoal Jasmine Chocolate Brown



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EN 13888:2009 CG2-WA

DoP: Cement and Sand Free Grout

FUNDAMENTAL CHARACTERISTICS

- + Flexural Strength after dry storage $\geq 2.5\text{N/mm}^2$
- + Flexural Strength after freeze-thaw cycles $\geq 2.5\text{N/mm}^2$
- + Compressive Strength after dry storage $\geq 15\text{N/mm}^2$
- + Compressive Strength after freeze thaw cycles $\geq 15\text{Nmm}^2$
- + Shrinkage $\leq 3\text{mm/m}$

ADDITIONAL CHARACTERISTICS

- + Abrasion resistance $\leq 1000\text{mm}^2$
- + Water Absorption after 30 mins $\leq 2\text{g}$
- + Water Absorption after 240 mins $\leq 5\text{g}$

DoP

Please See Our Website: www.ecofusion.ie