

PRODUCT DATA SHEET

webergROUT flowable

(Formerly known as E.MIX TILE GROUT FLOWABLE)

Cement-based tile grout for wall and floor tiling grouting with joint within 5 - 12 mm

PRODUCT

webergROUT flowable is a cementitious single component tile grout. It is designed for grouting porous and vitreous tiles on interior or exterior walls and floors with joint width less than 5 – 12 mm. The grout is shrinkage compensated which can prevent cracking. **webergROUT flowable** has low water absorption and high adhesion to tiles and tile adhesive. It has wide range of colour to match different tiles.

Uses

- Grouting for tiles or stones with difficult to clean surfaces.
- Use squeezing method application can reduce contamination to tiles
- Grouting for ceramic, vitrified and marble that less than 5 – 12 mm joint
- Grouting for industrial flooring where resistance to chemical is not required.

Features and Benefits

- Flowable and anti-sagging: easy to handle and apply, faster application speed
- Shrinkage compensated: reduce the shrinkage cracks
- Good abrasion resistance
- With special equipment for application to prevent staining the tile or stone surface when grouting
- Good compressive and flexural strength
- Resistance to acidic cleanser with pH > 3

TECHNICAL DATA

Colour	Custom
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	1 mm
Water demand	Approx. 28 – 32 % or 7-8 L /25kg bag
Density	1.4 g/cm ³
Pot life	Approx. 1 hour
Coverage	Approx. 1.7 kg/m ² /mm



THEORETICAL CONSUMPTION ON THE SIZE OF TILE

Tile dimension (mm)			Total Consumption (kg/m ²)		
			Gap width (mm)		
Length	Width	Thickness	8 (mm)	10 (mm)	12 (mm)
300	300	8	0.7	0.9	
300	300	10	0.9	1.1	
300	300	20	1.8	2.3	2.7
300	600	10	0.7	0.9	
330	330	10	0.8	1.0	
450	450	12	0.7	0.9	1.1
600	600	12	0.5	0.7	0.8

$$\text{Total consumption (kg/m}^2\text{)} = \frac{(\text{Tile length} + \text{Tile width}) \times \text{Tile thickness} \times \text{Gap width}}{\text{Tile length} \times \text{Tile width}} \times \text{Coverage (kg/m}^2\text{/mm)}$$

PHYSICAL PROPERTIES

Abrasion resistance	EN 12808-2	< 1,000 mm ³
Compressive strength	EN 12808-3 • After dry storage • After freeze-thaw cycle	≥ 15 N/mm ² ≥ 15 N/mm ²
Flexural strength	EN 12808-3 • After dry storage • After freeze-thaw cycle	≥ 3.5 N/mm ² ≥ 3.5 N/mm ²
Linear shrinkage	ANSI A 118.6-1992 • After 24 hours • After 7 days EN 12808-4 • After 28 days	≤ 0.5 mm/m ≤ 1.5 mm/m ≤ 2 mm/m
Water absorption	EN 12808-5 • After 30 minutes • After 240 minutes	≤ 2 g ≤ 5 g
Resistance to mould growth	BS 5980 : 1980	No mould growth
Tensile strength	BS 5980 : 1980	≥ 1,000 N

Unless specified, all technical data refers to 28 days curing time.

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control.

Complied Standards

European Norm	:	EN 13888 : 2002 Class CG2WA
American Standard	:	ANSI A118.6 : 1992, USEPA method 24
British Standard	:	BS 5980 : 1980 Part 7. 9
Chinese Standard	:	JC/T 1004 : 2006 Class CG2WA

PROCEDURE

Substrate Preparations

Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of **webergROUT flowable**.

Dampen the joints with clean water before applying the grout.

Mixing and Installation

webergROUT flowable can be applied at least 1 day after tiling.

Before application, dampen the surface with clean water and allow excess water to drain away.

Mix the dry mix powder with an electric mixer of 25 kg/bag with appropriate amount of water. For **webergROUT flowable**, add approximately 7 – 8 L (28 – 32 %) of water.

Stir the mixture thoroughly for 5 – 7 minutes to a creamy paste without lumps by using common portable electric mixer.

Fill in the **webergROUT flowable** grouting mortar into the grout squeezing bag until the bag is 2/3 full.

Apply the grouting mortar by squeezing the mortar into the tiled joints and force and compact the maximum amount of **webergROUT flowable** grouting mortar deep into the joints until they are firmly filled.

Make sure no excess of grouting mortar squeezed on the tile surface.

Allow the grout to dry for 60 – 120 minutes depending on temperature and humidity, and then use a pointing tool to force the grouted joints to smoothen the grouted surface.

Please refer to our method statement for procedures in details.

Curing

Natural air curing is enough for **webergROUT flowable**.

STORAGE AND PACKING

webergROUT flowable is delivered in 25 kg bag. Storage life is 12 months if the product is kept in a dry place.

HEALTH AND SAFETY

Recommend to wear NIOSH approved or equivalent particulate face mask when mixing the material. Material contains cement, which may produce an allergic effect.

Keep out of reach of children.

Material may cause irritation to eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical assistance. After contact with skin, wash immediately with plenty of soap and water.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.