PRODUCT DATA SHEET

webergrout effloguard TG

Polymer modified cementitious tile grout with efflorescence resistance and low water absorption properties for wall and floor grouting complied with CG2WA class of EN 13888

PRODUCT

webergrout effloguard TG is a cementitious single component tile grout. It is designed for grouting porous and vitreous tiles or stones on interior or exterior walls and floors. Our polymer modified grout is an efflorescence reducing, low water absorption, mould growth resistance grouting material and it is shrinkage compensated which can prevent cracking. It is more appropriate to apply other **Weber EFFLOGUARD Series** products together for a better efflorescence resistance performance.

Uses

- Grouting for ceramic, vitrified and marble
- Grouting for industrial flooring where resistance to chemical is not required
- Suitable for grouting in different indoor and outdoor floor and wall areas, including swimming pools, balconies, etc

Features and Benefits

- Formulated to comply with British Standard, European Norm and Chinese Standard
- Reduce efflorescence
- Fast setting
- Shrinkage compensated: reduce the chance of shrinkage cracks
- Low water absorption
- Good mould growth resistance
- Good abrasion resistance
- Good compressive and flexural strength
- Resistance to acidic cleanser with pH > 3

TECHNICAL DATA

Colour	Custom
Component	Low Portlandite Cement System, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	0.5 mm
Water demand	Approx. 28% – 32% or 7 – 8 L /25kg bag
Density	1.1 g/cm^3
Pot life	Approx. 1 hour
Coverage	Approx. 1.5 kg/m^2/mm (< 8 mm joint width use)

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THEORETICAL CONSUMPTION ON THE SIZE OF TILE

Tile Dimension (mm)			Consumption (kg/m²)		
			Gap width (mm)		
Length	Width	Thickness	2mm	3mm	5mm
20	20	4	**1.2**	-	-
50	50	4	**0.5**	-	-
95	45	7	-	**1.0**	**1.7**
230	60	7	-	**0.7**	**1.1**
150	75	6	-	**0.5**	**0.9**
100	100	6	-	**0.5**	**0.9**
150	150	6	-	**0.4**	**0.6**
200	200	8	-	**0.4**	**0.6**
200	300	8	-	**0.3**	**0.5**
300	300	8	-	**0.2**	**0.4**
300	300	10	-	**0.3**	**0.5**
300	300	20	-	-	**1.0**
300	600	10	-	**0.2**	**0.4**
330	330	10	-	**0.3**	**0.5**
450	450	12	-	-	**0.4**
600	600	12	-	-	**0.3**

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

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	EN 12808-4 – After 28 days	 < 2 mm/m
Water Absorption	EN 12808-5 – After 30 minutes – After 240 minutes	 < 2 g < 5 g
Resistance to Efflorescence	JC/T 1024 : 2007	No efflorescence after 21 cycles
pH value	EN 12859 : 2011	10-11

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 : 2009 Class CG2WA, EN 12859 : 2011

Chinese Standard : JC/T 1004 : 2006 Class CG2WA, JC/T 1024:2007

SAINT-GOBAIN

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 effloguard TG**.

Mixing and Installation

webergrout effloguard TG 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, add approximately 28 – 32% (7 – 8 L) of water.

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

Apply **webergrout effloguard TG** grouting mortar to the tiled wall with a rubber, or sponge trowel, or other suitable tool diagonally over the tiles. Force and compact maximum amount of grout deep into the joints.

Excess grout on the tiles should be wiped away diagonally by using a rubber or sponge trowel.

Allow the grout to dry for 15-30 minutes depending on temperature and humidity, then clean the tile surface by a damp coarse cloth or sponge. The cloth or sponge shall be dry enough to minimize “pulling” or “shirking” of joint.

If grout haze or film is found on the surface of the tile after grouting, it shall be removed as quickly as possible, preferably within 1 hour.

Please refer to our method statement for procedures in details.

Curing

Natural air curing for **webergrout effloguard TG** is enough.

STORAGE AND PACKING

webergrout effloguard TG is delivered in 25 kg bag. Storage life is 6 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.

CLEANING & DISPOSAL OF WASTE

Cured material can be removed mechanically, if uncured, material can be removed with water. Dispose of waste in accordance with legislation

* 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.