

# Torggler

## Tiles and Natural Stone Installation

# TILE GROUT 5-15 MM

Cement-based powder grout, classified as CG2 to UNI EN 13888, for filling joints 5 to 15 mm wide.



- Resistant to water and frost
- Ideal for swimming pools and terraces



### APPLICATION AREAS

- Grouting of joints 5 to 15 mm wide, indoors and outdoors, on walls and floors covered with ceramic tiles.
- Swimming pools, tanks, terraces and any other place, whether dry or subject to the frequent and/or continuous presence of water.
- Heavy duty pavings or flooring requiring high abrasion resistance

### TYPE OF MATERIAL TO BE LAID

- Cotto, single-fired.
- Double-fired.
- Clinker.
- Porcelain and glazed stoneware.
- Vitreous ceramic mosaic.
- Natural, artificial and composite stone

### FEATURES

Tile Grout 5 – 15 mm is a grey powder grout based on high resistance cements, selected aggregates, synthetic resins and specific polymers and additives. After mixing with water, you have a fine grout which is easy to use and which, if applied correctly, provides compact and regular, impervious joints with excellent abrasion resistance. It resists freezing/thawing cycles. Tile Grout 5 – 15 mm is classified as an improved cement-based sealant in class CG2 according to UNI EN 13888.

## WARNINGS

Do not use in areas that require chemical resistance to acids and perfect impermeability: for example, dairies, butcheries, chemical factories, tanneries, and paper mills. Expansion joints should be sealed with a silicone sealant of Torggler product range.

## INSTRUCTIONS FOR USE

Allow the adhesive or foundation mortar used for gluing the tiles to harden properly according to the specifications of the technical data sheet. Mortars or adhesives that are not fully hardened may interfere with and alter the colour of Tile Grout 5 – 15 mm when it is applied. Thoroughly clean the joints to remove dust, flaking material and other dirt. Remove excess adhesive or mortar that has hardened. If the tiles and/or the substrates are highly absorbent or have been applied under very hot or windy conditions, wet the joints and then remove the excess water to avoid the formation of lighter-coloured surface rings and stains. Highly porous, absorbent tiles such as cotto or certain types of natural stone should be treated with PROMURAL SILICON before grouting so as to facilitate cleaning after the joints have been filled. If you want to use the product on unglazed tiles or light-coloured natural stone, it is a good idea to make preliminary tests to ensure that no permanent marks will be left. Mix Tile Grout 5 – 15 mm with 18-20% clean water (4.5-5.0 litres per 25 kg bag). Pour almost all the mixing water required in a suitable container. Then add the powder product, slowly, and mix at the same time using a low speed electrical drill with mixer attachment. Once you have added all the powder product, pour in the rest of the water and mix until the product is smooth, creamy and free of lumps and has the required consistency. The right consistency varies according to the width of the joints to be grouted and on whether the product is to be applied to a wall or floor. Do not exceed the recommended quantity of water. Excessively fluid mixtures may leave surface rings and stains and are subject to excessive shrinkage upon drying, leading to reduced thickness and poor mechanical performance. Remove all non-mixed lumps of material from the walls and the bottom of the container. Allow the mixture to stand for 2 or 3 minutes, then mix again briefly. The mix prepared has a pot life of about 2 hours under normal conditions (at +20°C). Higher temperatures reduce the pot life, lower temperatures increase it. If you need to prepare two or more mixes for use on the same site, use the same quantity of water for each mix so that grouting will have a uniform colour. Fill the joints well using a rubber paddle and making sure not to leave voids or air pockets. Wait a few minutes and then scrape off the excess grout. Wait for the grout to start setting (15 to 60 minutes after application, depending on the type and degree of absorption of the tiles and on environmental conditions), then clean the tiles and finish the surface of the joints with a soft sponge that must be only slightly moistened. Rinse the sponge frequently in clean water and wring it well before each use. Do not clean the tiles before the grout has started to set otherwise part of the grout, still fresh, will be removed from the joints. To obtain a uniform colour on the entire surface, make sure the sponge is moistened to approximately the same extent all the time. A wetter sponge will leave lighter-coloured marks or stains or parts with a different colour shade. When the grout is dry, clean the tiles with a clean, soft, dry cloth. Stains or traces of grout, especially on tiles with a rough, absorbent surface, can be removed with PIASTRELLITE CLEANER (acid detergent for tiles) at least 10 days after grouting. Do not use cleaners of this type on floors and walls that are sensitive to acids (e.g. marble). Grouted floors can be walked on after about 24 hours. The tools used for applying the grout may be cleaned with water before the grout hardens. Once hardened, you may only clean them using mechanical instruments. Do not apply the product at temperatures below +5°C or above +35°C. Do not mix with dirty or murky water. Do not mix the product with other binders such as cement, hydraulic lime, gypsum, etc. The mix cannot be diluted with water once it has started setting. Do not use the mixed product when it has already started to set. Therefore, always prepare quantities of mix which can be used within the pot life.

## TECHNICAL SPECIFICATIONS

Range of colours	Cement grey
Consistency	powder
Apparent density	1,34 Kg/litre
Grain size	0 – 0,5 mm
Mixing water	18-20% equivalent to 4.5-5.0 litres per 25 kg bag

Mix density	1,94 Kg/litre
Mix consistency	creamy and fluid
Mix pot life (at +20°C)	approx 2 hours
Bending strength (to UNI EN 12808-3): after 28 days	6,5 N/mm <sup>2</sup>
Bending strength (to UNI EN 12808-3): after freezing/thawing cycles	4,6 N/mm <sup>2</sup>
Compression strength (to UNI EN 12808-3): after 28 days	31,0 N/mm <sup>2</sup>
Compression strength (to UNI EN 12808-3): after freezing/thawing cycles	42,0 N/mm <sup>2</sup>
Abrasion resistance (to UNI EN 12808-2)	800 mm <sup>3</sup>
Capillary absorption (to UNI EN 12808-5): after 30 minutes	1,4 grams
Capillary absorption (to UNI EN 12808-5): after 240 minutes	3,8 grams
Water shrinkage (to UNI EN 12808-4)	1,5 mm/m
Application temperature	from +5°C to +35°C
Can be walked on	after 24 hours
Final hardening	after 10 days
Operating temperature	from -20°C to +90°C
Consumption	from 0,3 a 5,0 Kg/m <sup>2</sup>
Classification to UNI EN 13888	CG2

  

Color	Cement grey 7032
Packaging	bag
Packaging size	25 kg
Pallet	50 bags

## CONSUMPTION

Consumption may vary from 0.3 to 5.0 kg/m<sup>2</sup>. It depends on the size and thickness of the tiles and on the width and depth of the joints. As a general rule, a 25 kg bag of X-TILE GIUNTO 515 will cover approximately 31.0 m<sup>2</sup> of floor or wall covered by tiles measuring 400x400x10 mm with gaps 10 mm wide between them. The table below shows approximate consumption, expressed in kg/m<sup>2</sup>.

	Tile size (mm)		
	5	10	15
100 x 100 x 10	1,6	3,2	4,8
150 x 150 x 10	1,1	2,2	3,3
120 x 240 x 10	1,0	2,0	3,0
250 x 250 x 20	1,3	2,6	3,9
300 x 300 x 20	1,1	2,2	3,3
330 x 330 x 10	0,5	1,0	1,5
400 x 400 x 10	0,4	0,8	1,2
500 x 500 x 10	0,3	0,6	0,9
600 x 600 x 14	0,4	0,8	1,2

## **STORAGE**

Tile Grout 5 – 15 mm must be stored in a dry and protected place. Unopened in its original bags, the product can be stored for at least 18 months. Keep away from moisture.

The information contained in this document is reported on the basis of our experience and knowledge; therefore, any recommendations and suggestions made are without any guarantee and must be verified before using the product by those who intend to use it, who assume all responsibility that may result from its use since the conditions of use are not under our direct control. In case of doubt, it is always advisable to make preliminary tests and/or ask for the intervention of our technicians. Torggler reserves the right to modify, replace and/or delete the items, as well as to change the product data in this document without prior notice; in this case the indications given here may no longer be valid. Always refer to the latest version of the data sheet, available at [www.torggler.com](http://www.torggler.com). Version 18.08.2021.