

# Torggler

## FLASH

Extra-fast setting, premixed cementitious mortar for small installation works.



- Thixotropic
- Ideal for electrical and hydraulic installations
- Perfect construction engineering finishing
- Extra fast setting



### APPLICATION AREAS

Flash is especially recommended for:

- wall-mounting of electrical system elements such as junction boxes, socket and switch boxes, sheaths and pipes, etc.
- closing of channels for embedding electrical wiring and plumbing pipes
- laying counter-frames, door and window frames, profiled pieces and staff angles
- filling cracks
- fitting poles, metal fencing and rails

### FEATURES

Flash is a mix consisting of a rapid-setting hydraulic binder, aggregate with special granulometry and special additives. It is completely chloride-free. When mixed with water, it forms a highly thixotropic plastic mix which can be easily applied both horizontally and vertically. It sets in 3 – 5 minutes at 20 °C and can be walked on after 3 hours. It is especially recommended for internal applications. It is only suitable for small external applications. It is not subject to plastic shrinkage.

### WARNINGS

- Do not use the mixed product when it has already started to set.

- Do not mix water with products which have started to set.
- Do not mix with excessive quantities of water since the mechanical strength will diminish, especially the initial strength.
- Do not mix with other binders, such as cement, hydraulic lime, gypsum, etc.
- If the product in a pack is not used completely, seal the pack tightly, put it in a polythene bag and also seal this bag tightly to protect the product.
- As for all cement-based products, never work or apply the product at temperatures lower than +5 °C.

## INSTRUCTIONS FOR USE

The background must be cleaned and wet until it is saturated, especially when it is very absorbent or with high temperatures and strong winds. Very smooth backgrounds must be keyed. Add approx. 20 % in weight of water to the dry product. This corresponds to a dose of approx. 3,5 parts Flash and 1 part water. Mix well until you obtain an even plastic mortar. Because the product sets rapidly, only prepare small quantities which can be used immediately. Given that the temperature strongly influences the time required for Flash to set, in the cold season, the product must be kept away from the cold and mixed with lukewarm water. In the hot season, protect the product from the sun and mix it with cold water, away from the sun. Flash prepared in this way must be applied with a trowel or straight-edge within its potlife. Finish and smooth off quickly, before it has started to set.

## TECHNICAL SPECIFICATIONS

TECHNICAL DATA	
Colour	grey
Apparent density	1,3 kg/l
Granulometry	0 – 0,4 mm
% mixing water and required per 25 kg bag	21 %
Consistency of the mix	plastic – thixotropic
Density of mix	2,1 kg/l
Pot-life of mix (at 20 °C)	approx. 2 minutes
Setting times (at 20 °C):- initial setting time	approx. 3 minutes
Setting times (at 20 °C):- final setting time	approx. 4 minutes
Application temperature	from +5 °C to +35 °C
Application range between two or more layers	approx. 5 minutes
Can be walked on	after approx. 3 hours
Working temperature	from -20 °C to +90 °C
Compressive strength (at 20 °C – mix with 21 % water): after 30 minutes	2,5 N/mm <sup>2</sup>
Compressive strength (at 20 °C – mix with 21 % water): after 1 hour	3,3 N/mm <sup>2</sup>
Compressive strength (at 20 °C – mix with 21 % water): after 3 hours	4,0 N/mm <sup>2</sup>
Compressive strength (at 20 °C – mix with 21 % water): after 24 hours	19,0 N/mm <sup>2</sup>
Compressive strength (at 20 °C – mix with 21 % water): after 3 days	24,0 N/mm <sup>2</sup>
Compressive strength (at 20 °C – mix with 21 % water): after 7 days	27,0 N/mm <sup>2</sup>
Compressive strength (at 20 °C – mix with 21 % water): after 28 days	29,0 N/mm <sup>2</sup>
Reaction to fire in compliance with EN 13501-1	Class A1
Packaging	bag

Pallet	40 cardboards, 50 bags
Packaging size	4x5 kg, 25 kg
Color	Grey

### **CONSUMPTION**

Use approximately 1,8 kg of Flash per litre of cavity to be filled.

### **STORAGE**

Store in a dry, cool and protected area. If closed in the original bags, it can be stored for at least 6 months.

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 03.08.2021.