

Torggler

Flooring

LIVELLINA 0-10

Self-levelling screed for irregular surfaces, up to 10 mm thickness, also for heated floors.



- Self-levelling
- High resistance
- Fast setting
- For indoor use
- Up to 10 mm thickness



APPLICATION AREAS

Livellina 0-10 must only be used for indoor applications. It is ideal for the following applications:

- rapid self-levelling smoothing of surfaces which must be covered with fabric, resinous, plastic, rubber, ceramic and wooden floors, etc.
- smoothing of concrete floor slabs, cement screeds, also on heated floors.

FEATURES

Livellina 0-10 is a fine grey pre-mixed self-levelling cement mortar based on a mix of special rapid-hardening cements, select inert agents, synthetic resins and special additives. After mixing with water, you have a mix which is fluid and self-levelling, which has a considerable pot life and which is easy to use and apply using a spatula with thickness of 1 mm to 10 mm, with excellent adhesion to the surface. Once it has hardened, it is extremely resistant, in mechanical terms and to knocks and abrasion, with a smooth dust-proof surface, and is in class CT-C25-F6 according to EN 13813.

WARNINGS

- Do not apply the product at temperatures below +5 °C or above +30 °C.
- Do not mix the product with other binders such as cement, hydraulic lime, gypsum, etc.
- Do not add water when the mix has set.
- Do not use the mixed product when it has already start to set. Therefore, always prepare quantities of mix which can be used within the pot life.
- Do not apply the product outdoors or in areas subject to the continuous presence of water or rising damp.

INSTRUCTIONS FOR USE

Preparation

The surface must be clean and smooth, without dust, loose material and dirt in general. Remove any traces of oil and grease thoroughly. Remove any old floor adhesives residues (carpets, PVC, parquet, etc.). On anhydrite and magnesia-based surfaces, apply a coat of Tile Primer in advance and wait until it has dried completely (until the film applied becomes transparent).

Mixing the product

Mix Livellina 0-10 with about 23 – 25 % water (5,1 – 5,5 litres per 22 kg bag), if possible, using a low rpm drill with appropriate mixer attachment. Mix until the product is even, without lumps, fluid and self-levelling. Leave to rest for 4 – 5 minutes and mix again briefly. The mix prepared in this way has a pot life of approx. 30 minutes under normal conditions (at +20 °C). Higher temperatures shorten the pot life; lower temperatures increase the pot life.

Application

If there has been no prior treatment using Tile Primer, wet the surface until it is very wet, leave the excess water to evaporate or remove it using a sponge. Make sure you remove all the surface water. If there has been prior treatment using Tile Primer, this wetting procedure is not required. Pour the mix and apply the correct thickness using a paddle. Do not exceed a thickness of 10 mm. Final levelling is automatic. If the thickness required is above 10 mm, as soon as the first can be walked on (after about 3 hours at +20 °C) apply a coat of Tile Primer in a quantity of 60 – 80 g/m² and wait for the primer to dry completely (i.e. when the film applied becomes transparent). Then apply a second coat of Livellina 0-10. You can clean the tools with water before the mix sets. After it has set, you must remove the product from the tools mechanically.

WAITING TIMES

Under normal conditions (+20 °C), the self-levelling smoothing agent must harden at least 12 hours before you apply ceramic tiles and 24 hours before you use adhesives to apply fabric, rubber or plastic floors or lay resinous and wooden floors. In the latter case, you must in any case first establish the residual humidity of the surface: it must be less than 2 %, as measured using a carbide hygrometer.

TECHNICAL SPECIFICATIONS

Colour	grey
Apparent density	1,1 kg/litre
Granulometry	0 – 0,4 mm
% mixing water and required per 22kg bag	23 – 25 % = 5,1 – 5,5 litres per 22 kg bag
Mix density	2,0 kg/litre
Water retention	96,0%
Mix consistency	fluid and self-levelling
Mix pot life (at +20 °C)	approx. 30 – 40 minutes
Setting times (as per EN 196-3 – at +20 °C):	
Setting start	80 minutes
Setting end	120 minutes
Hardening at 20°C	can be walked on after about 3 hours
Application temperature	from +5 °C to +30 °C
Operating temperature	from -20 °C to +90 °C

Resistance to flexion (as per EN 196-1):	
-after 1 day	3,0 N/mm ²
-after 3 days	4,0 N/mm ²
-after 7 days	5,0 N/mm ²
-after 28 days	7,0 N/mm ²
Resistance to compression (as per EN 196-1):	
-after 1 day	13,0 N/mm ²
-after 3 days	15,0 N/mm ²
-after 7 days	20,0 N/mm ²
-after 28 days	28,0 N/mm ²
Resistance to tears (as per DIN 18156):	
-after 7 days	2,5 N/mm ²
-after 28 days	3,0 N/mm ²
Modulus of elasticity after 28 days (as per MIT 90)*	8,000 N/mm ²
Consumption	1,6 kg/m ² per mm of thickness

* Torggler Internal Methods (MIT) are available on request

Packaging	bag
Pallet	50 bags
Color	Grey
Packaging size	22 kg

CONSUMPTION

The consumption of Livellina 0-10 is about 1,6 kg/m² per mm of thickness.

STORAGE

Store in a dry 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. Version 21.06.2021.