

Autolivellante L 10

MINERAL SELF-LEVELLING EXTRA FLUIDISED, NORMAL SETTING, COMPENSATED SHRINKAGE, GUARANTEED FOR HIGH-RESISTANCE CORRECTION OF IRREGULAR SUBSTRATES. FOR THICKNESSES FROM 1 TO 10 mm. FOR INDOORS AND OUTDOORS.



TECHNICAL DATA SHEET - REV. 01/2023

DESCRIPTION

AUTOLIVELLANTE L 10 is a fine powder consisting of cements, selected aggregates, additives and special synthetic resins. Mixed with water, it turns into an easy-to-apply, highly adhesive, super-fluid, flowable, perfectly self-levelling, normal-setting, shrinkage-compensated mix. For 1-10 mm thickness.

Conforms to European Standard EN 13813 (Screeds and materials for screeds) for cementitious screeds (CT) of class C30-F7.

FIELDS OF APPLICATION

AUTOLIVELLANTE L 10 is used for smoothing and levelling out cement substrates prior to laying ceramic tiles, parquet or resilient floor coverings, for levelling out horizontal surfaces in both new construction and renovation work, with thickness differences from 1 to 10 mm, and for levelling out old ceramic floors prior to laying a new overlay floor. Also suitable for rooms with moderate traffic in UPEC class P2.

SUBSTRATE PREPARATION

The substrates must be clean, solid, compact and free of grease and anything that could impair adhesion. Highly porous and absorbent substrates must first be treated with a coat of PRIMER A 16 synthetic resin-based insulating primer in water dispersion to allow uniform absorption and increase the product's adhesion to the substrate. Non-absorbent substrates such as ceramic floor and wall tiles must be treated with GRIPEX professional water-based adhesion promoter after thorough cleaning of the substrate.

APPLICATION

To prepare the mixture, pour 6-6.5 litres of clean water into a container and add a 25 kg bag of AUTOLIVELLANTE L 10, while stirring. Mix well until obtaining a smooth, lump-free mixture. Let the mixture to rest for about 5 minutes, remixing quickly before use. Pour the mixture onto the substrate and spread it with a smooth trowel or rubber doctor blade. It is advisable to use a bubble breaker roller to help the escape of air bubbles formed during the mixing or laying phase. AUTOLIVELLANTE L 10 can be applied for thicknesses of 1 to 10 mm per coat. If a second coat is required, apply it as soon as the previous one can be walked on. In the case of complete hardening, first apply a coat of PRIMER A 16 synthetic resin-based insulating primer in water dispersion. For thin screeds, 10 to 25 mm, it is advisable to add approximately 30% 0/4 sand or 0/8 gravel to the product. Approximately 24-48 hours after application of AUTOLIVELLANTE L 10, the laying of ceramic tiles can begin. For the laying of parquet, carpet, rubber, plastic, on the other hand, wait approximately 4-7 days. However, it is advisable to check the residual moisture content with a carbide or electric hygrometer.

YIELD

1.6 kg/m² per mm of thickness.

RECOMMENDATIONS

- ◆ Do not apply in temperatures below +5°C.
- ◆ Only mix an amount of product that can be used within approx. 20 minutes. By no means remix with water mixtures that have already started setting.
- ◆ Wash all the equipment used for preparation and application of the product with water before it hardens. After setting, the mortar can only be removed mechanically.

PACKAGING

AUTOLIVELLANTE L 10 is available in 25 kg polyethylene coated paper bags on 1500 kg pallets. Store the product in a dry place and in its original packaging, well closed. In these conditions its stability lasts at least 12 months.

SAFETY INSTRUCTIONS

The product contains cement that, in contact with body perspiration, produces an irritant alkaline and sensitising reaction for the skin. Use suitable clothing, gloves and protective glasses. Refer to the respective Safety Data Sheet for more information about how to use the product safely.

SPECIFICATIONS

High-strength grinding of uneven substrates with mineral, extra fluidised, normal-setting, shrinkage-compensated self-levelling smoothing compound classified as CT C30-F7 by EN 13813, type **AUTOLIVELLANTE L 10** by Colmef Srl.

TECHNICAL DATA

Compliant with Standard:	EN 13813
Class:	CT-C30-F7
Appearance:	powder
Colour:	grey
Apparent specific weight (g/m ³):	1.4
Solid residue (%):	100
Mixing ratio:	6-6.5 litres of water for 25 kg of powder
Mix pot life:	~ 30 min.
Waiting time for laying:	
- ceramic tiles:	24-48 h
- parquet or resilient material (maximum humidity 2%):	4-7 days
Allowed application temperature:	from +5 °C to +35 °C

FINAL PERFORMANCE according to EN 13813 Class CT-C30-F7

	Results	Test method
Compressive strength at 28 days (N/mm ²):	≥ 30.0	EN 13892-2
Flexural strength at 28 days (N/mm ²):	≥ 7.0	EN 13892-2
Surface hardness (N/mm ²):	≥ 102.5	EN 13892-6

DATA DETECTION AT +23°C - 50% R.H. AND IN ABSENCE OF VENTILATION

The information in this bulletin is based on our best experience. We cannot be held liable for any product misuse. We therefore recommend anyone who intends to use this product to assess whether it is suitable for the intended application and to perform preliminary tests in any case. Always refer to the latest updated version of the technical data sheet available at www.colmef.com.

FOR MORE INFORMATION OR PARTICULAR USES, CONTACT THE COLMEF TECHNICAL SUPPORT DEPARTMENT.

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