

Autolivellante L 10

SELF-LEVELING MINERAL SMOOTHING COMPOUND, SUPER-FLUID, WITH NORMAL SETTING, COMPENSATED SHRINKAGE, GUARANTEED FOR HIGH-RESISTANCE FINISHING OF IRREGULAR SUBSTRATES. FOR THICKNESSES FROM 1 TO 10 mm. FOR INDOOR AND OUTDOOR USE.



TECHNICAL DATA SHEET – REVISION 11/2024

DESCRIPTION

AUTOLIVELLANTE L 10 is a fine powder made up of cements, selected aggregates, additives and special synthetic resins. When mixed with water, it turns into an easy-to-apply mix with high adhesion to the substrate, super-fluid, free-flowing, perfectly self-leveling, with normal setting and compensated shrinkage. For thicknesses from 1 to 10 mm.

Compliant with European Standard EN 13813 ("Screed material and floor screeds") for cementitious screeds (CT) of class C30-F7.

FIELDS OF APPLICATION

AUTOLIVELLANTE L 10 is used for smoothing and leveling cementitious substrates before laying ceramic tiles, parquet or resilient flooring, for leveling horizontal surfaces in both new construction and renovation work, with thickness differences from 1 to 10 mm, and for leveling old ceramic flooring before overlaying a new floor. It is also suitable for rooms with moderate traffic, in compliance with UPEC class P2.

SUBSTRATE PREPARATION

Substrates must be clean, solid, compact, and free of grease and anything that could compromise adhesion. Very porous and absorbent substrates must be pre-treated with a coat of PRIMER A 16, an isolating primer based on synthetic resins in aqueous dispersion, to allow uniform absorption and increase the product's adhesion to the substrate. Non-absorbent substrates, such as ceramic floors and coverings, must be treated with GRIPEX professional water-based adhesion promoter, after thorough cleaning of the substrate.

APPLICATION

To prepare the mix, pour approximately 6-6.5 liters of clean water into a container and add a 25 kg bag of AUTOLIVELLANTE L 10 while stirring. Mix until a homogeneous, fluid, lump-free paste is obtained. Let the mix rest for about 5 minutes, stirring it briefly again before use. Pour the mix onto the substrate and spread it with a smooth trowel or a rubber squeegee. It is advisable to use a spiked roller to help release any air bubbles formed during mixing or spreading. AUTOLIVELLANTE L 10 can be applied at thicknesses from 1 to 10 mm per coat. If a second coat is needed, apply it as soon as the previous one is walkable. If the previous coat has fully hardened, first apply a coat of PRIMER A 16 isolating primer based on synthetic resins in aqueous dispersion. For thin screeds, from 10 to 25 mm, it is advisable to add approximately 30% of 0/4 sand or 0/8 fine gravel to the product. After approximately 24-48 hours from application of AUTOLIVELLANTE L 10, ceramic tiles can be installed. For laying parquet, carpet, rubber or plastic flooring, wait approximately 4-7 days instead. In any case, it is advisable to check residual moisture content with a carbide or electric hygrometer.

YIELD

1.6 kg/m² per mm of thickness.

RECOMMENDATIONS

- ◆ Do not apply at temperatures below +5 °C.
- ◆ Mix only the amount of product that can be used within approximately 20 minutes. Never re-mix with water any batches that have already begun to set.
- ◆ Wash all equipment used for preparing and applying the product with water before it hardens. Once set, the mortar can only be removed mechanically.

PACKAGING

AUTOLIVELLANTE L 10 is supplied in polythene-lined paper bags of 25 kg, on pallets of 1500 kg. Store the product in dry environments, in its original, tightly closed packaging. Under these conditions its shelf life is at least 12 months.

SAFETY INSTRUCTIONS

This product contains cement, which, on contact with body sweat, produces an alkaline reaction that can irritate and sensitize the skin. Use suitable clothing, gloves and protective goggles.

For further information on the safe use of the product, please refer to the relevant Safety Data Sheet.

SPECIFICATION ITEM

High-resistance finishing of irregular substrates using a self-leveling mineral smoothing compound, super-fluid, with normal setting and compensated shrinkage, classified as CT C30-F7 under Standard EN 13813, type AUTOLIVELLANTE L 10 by Colmef Srl.

TECHNICAL DATA

Compliant with Standard:	EN 13813
Class:	CT-C30-F7
Appearance:	powder
Color:	Beige
Fresh bulk density (kg/l):	2.0 +/- 0.1
Maximum grain size:	0.4 mm
Solid residue (%):	100
Mixing ratio:	6-6.5 liters of water per 25 kg of powder
Pot life:	~ 30 min.
Waiting time before laying:	
- ceramic tiles:	24-48 h
- parquet or resilient flooring (max. 2% moisture):	4-7 days
Permitted 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 MEASURED AT +23 °C - 50% R.H. WITH NO VENTILATION

The information and recommendations given above are based on our best experience. However, we cannot accept any responsibility for improper use of the products. We therefore recommend that anyone intending to use them assess whether they are suitable for the intended application and, in any case, carry out preliminary tests. Always refer to the latest updated version of the technical data sheet, available at www.colmef.com.

FOR FURTHER INFORMATION OR SPECIAL USES, PLEASE CONTACT COLMEF TECHNICAL ASSISTANCE SERVICE.

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