

Rasotech G 30

MINERAL LEVELING COMPOUND WITH LONG WORKABILITY, THIXOTROPIC, WITH NORMAL SETTING AND COMPENSATED SHRINKAGE, GUARANTEED FOR THE LEVELING, SMOOTHING AND HIGH-RESISTANCE FINISHING OF IRREGULAR CEMENTITIOUS SUBSTRATES. FOR THICKNESSES FROM 1 TO 25 mm. FOR INDOOR AND OUTDOOR USE.



TECHNICAL DATA SHEET – REVISION 01/2024

DESCRIPTION

RASOTECH G 30 is a grey cementitious powder mortar, made up of hydraulic binders, selected aggregates, additives and special synthetic resins, which give the product excellent adhesion to the substrate, easy workability, and excellent resistance to sulphates.
For thicknesses from 1 to 25 mm.

Compliant with European Standard EN 13813 ("Screed material and floor screeds") for cementitious screeds (CT) of class C25-F6.

FIELDS OF APPLICATION

RASOTECH G 30 is used to level uneven screeds, in both new construction and renovation work, before laying ceramic flooring, and to repair, level and smooth cementitious plaster before applying decorative finishes or installing ceramic coverings with cementitious adhesives. RASOTECH G 30 is also suitable for leveling and smoothing concrete blocks or porous concrete panels before applying decorative finishes.

SUBSTRATE PREPARATION

RASOTECH G 30 can be applied, at the required thickness, to any type of substrate and to old ceramic flooring, provided it is sound and not subject to rising damp. Substrates must be clean, solid, compact, and free of crumbling parts, cement laitance, grease and old paint.
Smooth, compact, low-absorption surfaces such as old ceramic flooring, cementitious terrazzo tiles, or polished cementitious screeds must be mechanically prepared and roughened, or pre-treated after specific cleaning, with GRIPEX water-based adhesion promoter.

APPLICATION

Pour approximately 6 liters of clean water into a container for each 25 kg bag of RASOTECH G 30 and mix until a homogeneous, lump-free mixture of easily trowelable consistency is obtained. Let it rest and mix briefly again. Depending on the type of application, the mixing water may be slightly increased to optimize application. The mortar remains workable for at least 2 hours.
For thin-layer skimming on difficult, low-absorption substrates, it is advisable to mix the product with approximately 25% LATEX RIPRESA as a partial replacement for the mixing water. RASOTECH G 30 is applied with a smooth metal trowel, or with a screed board for heavier thicknesses, on a substrate that has been pre-dampened with water.

It is recommended to apply a first coat of product feathered to zero thickness on the substrate and then, without waiting, apply the layer needed to level the surface. Finish with a sponge float to achieve the desired degree of finish.

YIELD

1.6 kg/m² per mm of thickness.

RECOMMENDATIONS

- ◆ Do not apply to substrates subject to rising damp or to substrates that are extremely flexible.
- ◆ Do not apply to substrates made of plaster/gypsum or similar materials, wood, metal, etc.
- ◆ For application over old paint or plastic coatings, first carry out thorough cleaning and verify perfect adhesion to the substrate.
- ◆ 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

RASOTECH G 30 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

Leveling, smoothing and high-resistance finishing of irregular cementitious substrates using a mineral leveling compound with long workability, thixotropic, with normal setting and compensated shrinkage, classified as CT-C25-F6 in accordance with Standard EN 13813, type RASOTECH G 30 by Colmef Srl, to be applied with a smooth trowel at thicknesses from 1 to 25 mm.

TECHNICAL DATA

Compliant with Standard:	EN 13813
Class:	CT-C25-F6
Appearance:	powder
Color:	grey
Mixing ratio:	~ 6 liters of water per 25 kg of powder
Apparent specific weight (kg/m ³):	1600
Maximum applicable thickness (cm):	25
Pot life:	2 h
Foot traffic after:	12 h
Tile installation after:	24 h
Resistance to solvents:	excellent
Compatibility with cementitious adhesives:	excellent
Resistance to acids:	poor
Permitted application temperature:	from +5 °C to +35 °C

FINAL PERFORMANCE according to EN 13813 Class CT-C25-F6

	Results	Test method
Compressive strength at 28 days (N/mm ²):	> 25.0	EN 13892-2
Flexural strength at 28 days (N/mm ²):	> 6.0	EN 13892-2
Moisture resistance:	excellent	
Aging resistance:	excellent	

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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