

screeds

LR 30

Hydraulic binder for the preparation of normal-curing, fast-drying screeds



Product description

Hydraulic binder for the preparation of normal-curing, fast-drying screeds. Due to its special formula, it allows for operation in accordance to traditional time-table and installation system.

Supply and Storage

LR30 is supplied in bags on stretch pallets. Store in a cool, dry and non ventilated place. Keep packaging intact. Use before expiry date stated on the bag.



Surface Preparation and Application

The surfaces to be covered with the screed prepared with a binding mixture of LR30 + sand, in a ratio of 200-250 kg of binder per 1 m³ of inerts, must be free of dust, efflorescence, oils and fats. Before laying the screed, check the moisture of the surface keeping in mind the fact that, should this be present, by installing a vapor barrier, it will tend to move along the walls. After having carefully laid a sheet of polyethylene or PVC, fastened all along the walls and pillars with any kind of tape from compressible material, you may proceed to the preparation of the product. For higher thicknesses, such screeds may be reinforced with arc-welded with 20x20 mesh, remembering to keep it raised from the ground so that it is covered by at least 1.5-2 cm in screeds. The screed can be prepared in a normal cement mixer or knead by continuous mixer, observing the following order of insertion: water, dry material (binder + previously dry-mixed inert), until it reaches a texture similar to moist soil. The material prepared as described above should be evenly spread out, compacted

and evened off with the aluminum level and finished with a float or a rotating disc machine.

Fields of use

LR30 is a suitable binder, after the mixing with aggregates of appropriate size (0-8 mm), for the preparation of substrates suitable for the installation of ceramic and wooden floors, carpeting, linoleum. After 7 days, it allows the substrate to achieve a residual humidity of less than 2%.

Specifications

The substrates will be made with the normal-curing, fast-drying hydraulic binder of the LR30 type from Fornaci Calce Grigolin, at a rate of 200-250 kg/m³ of inerts with particle size from 0-8 mm, with the addition of water until the product reaches a texture similar to moist soil. This result will have a compression strength at 28 days of 20 N/mm² and residual humidity after 7 days, less than 2% for thicknesses of 4 cm.

Technical data

Maximum diameter of inerts to be used in the mix	8 mm
Mixing duration	3 min max.
Water in the mix	until texture similar to moist soil
Minimum application thickness	4 cm
Binder dosage	200-250 kg/m ³ of inerts
Pot life	1 h
Mechanical resistance to compression at 28 days	20 N /mm ²
Mechanical resistance to flexion at 28 days	5 N /mm ²
Fire resistance	Class A1 FL
Curing time at 20°C and 50% relative humidity	1 week for thicknesses of 4 cm.

Disclaimers

Do not mix LR30 with other substances. Avoid extreme changes in heat while hardening. Protect from freezing. Do not use LR30 when temperatures are below +5°C or above +30°C. Do not apply on frozen surfaces. Do not exceed 3 minutes when mixing and do not exceed the recommended water dosage, as this may reduce mechanical resistance and curing speed. For thicknesses exceeding 4 cm., curing time is 4 days for each subsequent cm. applied.

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