

TECHNICAL DATA SHEET
ID Product Code 238
Rev. 01/2020

LEVELMAX 110

Ultrafast drying self-levelling for thickness 1 to 10 mm

Product description

LEVELMAX 110 is an ultra-fast drying self-levelling mortar, designed for levelling and preparing inner substrates for thickness from 1 to 10 mm. The product can be applied on all traditional substrates, new or existing, concrete slabs, concrete screeds, natural stone, ceramic, etc. The treated substrates are suitable for any type of floor. The self levelling feature makes it easy to work, very smooth, with excellent adhesion to the substrates. The product can be spread without shrinkage and develops very high compressive and flexural strength, as well as resistance to abrasion.

Composition

LEVELMAX 110 is a premixed mortar based on special fast-drying cements with high mechanical strength, calcareous and siliceous aggregates (selected and measured out according to specific grading curve) and special additives that improve the performance in terms of workability, adhesion to substrates and self-levelling properties.

Mixing and application

Mix a 25 kg bag of LEVELMAX 110 with about 6.25-6.75 litres of clean water, using an electric mixer at low speed until the mixture is smooth and free of lumps. Leave to rest for about 2-3 minutes and stir again before use. Apply the product in a single coating with a metal trowel or squeegee to reach a thickness of between 1 and 10 mm. The self-levelling product clears any imperfections or splits naturally. Respect any existing expansion joints in the substrate.

The substrate must be sound, solid, free from dust, and brittle parts. The surfaces must be dry and free from rising damp. Clean surfaces to remove all traces of residual cement, release agent, dust, grease, brittle or detached parts by sandblasting or pressure washing. Restore the substrate using mortar for concrete repair. Moisten the prepared substrates with clean water before applying the waterproofing system.

LEVELMAX 110 can be applied on cement-based screeds (also with under-floor heating), existing tiles, natural stone and concrete slabs. Before applying LEVELMAX 110, substrates must be dry, sound, free from dust, loose areas, paint, wax, oil, grease and must be coplanar and normally absorbent. On gypsum-based substrates and/ or anhydrite screeds, ceramic tiles on existing floors, or very porous and absorbent substrates, apply previously a coat of Primer at least 24 hours before applying the self-levelling mortar.

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MADE IN ITALY 



Recommendations

Do not apply in temperature below + 5°C or above + 35°C. Do not apply on frozen, dusty, uneven and inconsistent substrates. Do not apply to frozen or thawing substrates or if freezing temperatures are expected within 24 hours. Each coating must be from 1 to 10 mm thick. Do not use the product as a floating screed. Do not use on surfaces subject to rising damp. Always evaluate a preliminary treatment of the substrates by applying a layer of GRIPMAX PLUS at least 2 hours before applying the levelling mortar.

Chemical characteristics

Consistency	Powder
Colour	Grey
Dry bulk density	~ 1200 kg/m ³
Maximum aggregate size	≤ 1.0 mm
Water content of mix	26%
Mixing ratio	1 bag + 6.5 ℓ of water
Minimum application temperature	+ 5°C
Maximum application temperature	+ 35°C
Working time	~ 45' minutes
Minimum application thickness	1 mm
Maximum application thickness	10 mm
Density of fresh mortar	~ 2000 kg/m ³ (EN 1015-6)
Pot life mixture	≥ 30 minutes
Set to foot traffic	> 12 hours (depend to weather conditions)
Time before laying ceramic floor	> 12 hours*
Time before laying parquet floor	> 24 hours*
Compressive strength	≥ 35,0 N/mm ² C30 (EN 13892-2)
Flexural strength	≥ 7,0 N/mm ² F7 (EN 13892-2)
Reaction to fire	A1fl Class (EN 13501-1)
Böhme abrasive strength	NPD (EN 13892-3)
Release of corrosive substances	CT EN (13892-2)
Vapour permeability	NPD (EN 12086)
Water permeability	NPD (EN 1062-3)
Sound insulation	NPD (EN ISO 140-6)
Sound adsorption	NPD (EN 12354-6)
Thermal resistance	NPD (EN 12524)
Chemical resistance	NPD (EN 13529)
Certification 	EN 13813:2002 Cementitious screed material for internal use CT-C35-F7
Shelf life	12 months from production date in its original packaging (unopened container) between 5° and 30° C in a cool dry place.
* indicative values, depending on the nature of the material and environmental conditions	



Coverage

1,7 kg per m² per cm of thickness.



Storage

12 months in original intact packaging and stored in a dry place.



Packing

25 kg bags

Safety procedures

As far as the proper working procedures is concerned, we recommend to consult Material Safety Data Sheets issued according to E.U. rules and to follow your national laws concerning safety in the working place. MSDS is available on our web site www.primaxbuild.it

Trademark and Origin of the good

PRIMAX[®] is a registered trademark of Bellinzoni company. The law considers a trademark to be a form of property and any misuse can be persecuted by law. Bellinzoni s.r.l. declares that our product LEVELMAX 110 is MADE IN ITALY.

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