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GRIGOKOLL® ULTRAX

Extra white and grey deformable cement-based adhesive with high performance, null vertical slipping and extended open time, for laying of ceramic tiles, natural stones and any kind of stoneware. Particularly recommended for laying mosaic of any nature, either on mesh or on paper. Class C2TE S1.



Product description

GRIGOKOLL® ULTRAX is a dry premixed adhesive based on selected inerts, white or gray hydraulic binder and special additives classified by UNI EN 12004 norm. Premixed adhesive (C), improved (2), slipping resistant (T), with an extended open time (E), deformable (S1).

Fields of use

GRIGOKOLL® ULTRAX is a premixed adhesive used to glue ceramic tiles on floors and walls, on any type of substrate and cement plaster normally used in construction, even if these are subject to dimensional variations (heated floors). Suitable also for the application of stones tiles, if the tiles are stable, not changing form with humidity and not presenting stains and salt efflorescence. It may be also used for laying directly on top of old ceramic pavements. The surface should not be overly absorbent. For application on plasterboard the product must be appropriately prepared. Particularly recommended for laying mosaic of any nature, either on mesh or on paper.

GRIGOKOLL® ULTRAX

Surface preparation

Installation areas must be free from dust and dirt. Any trace of oils, fats, waxes, etc. must first be removed mechanically or with detergents, as well as any inconsistent or brittle parts. In any case install on well dry screed coats (>28 days), unless fast drying underlays such as BASEFORTE® MIXCEM PRONTO or others have been used, packed with BASEFORTE® LR 30.

Always check the characteristics of the support before laying. They must comply with the UNI 11493-1 standard.

Preparation of the dough

Prepare the dough by adding about 8 liters of clean water to each 25 kg bag of GRIGOKOLL® ULTRAX and mix with mechanical stirrer to obtain a homogeneous mixture free of lumps, workable for about 5 hours. Leave the dough laying for 5 minutes, stir gain and apply.

Application

Apply as usual with the toothed spatula in the appropriate thickness, according to the type of tiles to apply. The tiles are applied with a slight pressure, tapping thoroughly so that the entire surface of the tiles come in perfect contact with the adhesive. Any rearranging of the tiles must be done within 60 minutes after laying. In case of insufficient glue application, do not soak it but add more with the toothed spatula.

For bonding tiles outdoors or for polished pavements, the bonding must be performed with a double coating system.

The installation must always be carried out in compliance with the UNI 11493 standard.

Supply and storage

GRIGOKOLL® ULTRAX is supplied in bags on stretch pallets.

Stock in cool, dry and ventilation free place. Keep packaging intact. Use before the expiry date stamped on the bag.

Specifications

The ceramic tiles of any type and stone tiles which are stable and not changing form with humidity, should be glued with the flexible gray-white powder adhesive for interior and exterior GRIGOKOLL® ULTRAX from Fornaci Calce Grigolin, a product based on gray-white hydraulic binder, selected sands, resins and special additives aimed at improving workability and grip, at a rate of 3-4 kg/m². The areas of installation should be clean and stable. Use a toothed spatula for the setting, making sure to respect or create deformation joints.

For bonding the tiles outdoor and for polished pavements, the bonding must be performed with a double coating system.

The installation must always be carried out in compliance with the UNI 11493 standard.

Disclaimers

Do not mix GRIGOKOLL® ULTRAX with other substances. Avoid extreme heat changes while hardening. The product must be protected from frost and rapid drying. GRIGOKOLL® ULTRAX should not be used with temperatures below +5°C or above +30°C. Data are referring to norm EN 12004, at a temperature of +23°C, 50% relative humidity and no ventilation.

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TECHNICAL DATA	PERFORMANCE	STANDARD
Classification	C2TE S1	EN 12004
Powder specific weight	1200 kg/m ³ determined in free fall	
Mixture specific weight	1550 kg/m ³	
Density of cured adhesive	1350 kg/m ³	
Particle size	< 0,5 mm	
Water in the mix	ca. 8 lt/bag	
Consumption	2,5-5 kg/m ²	
pH	> 12	
Time for effect	14 days (28 days on swimming pools)	
Time to wait before sealing joints	walls - approx. 4-8 hrs. floors - approx. 24 hrs.	
Pot life after mixing	approx. > 5 hrs.	
Open time	approx. > 30 min.	
Registration time	approx. 60 min.	
Operating temperature	between -30°C and +90°C	
Set to light foot traffic	24 hrs.	
Mechanical resistance to flexion after 28 days	> 5 N/mm ²	
Mechanical resistance to compression after 28 days	> 13 N/mm ²	

TECHNICAL DATA	PERFORMANCE	MINIMUM REQUIREMENT	STANDARD
Adherence to initial traction	> 2,0 N/mm ²	> 1 N/mm ²	EN 12004-2
Adherence to traction after water immersion	> 1,4 N/mm ²	> 1 N/mm ²	EN 12004-2
Adherence to traction after heat action	> 2,1 N/mm ²	> 1 N/mm ²	EN 12004-2
Adherence to traction after cycles of freezing/melting	> 1,7 N/mm ²	> 1 N/mm ²	EN 12004-2
Deformability	> 2,5 mm	≥ 2,5 mm	EN 12004-2

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