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GRIGOKOLL® GENIUX

Highly deformable adhesive specific for the laying of large-format plates, to be used as an integral part of the MAGNIFIx system. Particularly suitable for installation on the exterior façade, on not completely dry supports and on heating and cooling screeds.
Class C2TE S2.



Product description

GRIGOKOLL® GENIUX is a dry premixed adhesive based on selected inerts, hydraulic binder and special additives classified by UNI EN 12004 norm.

Premixed cement adhesive (C), improved (2), glide resistant (T) with an extended open time (E) and highly deformable (S2).

Fields of use

- Specific for the MAGNIFIx system for laying large-format porcelain stoneware;
- Installation of all kinds of ceramic, absorbent and non-absorbent, of stone material stable to humidity, mosaics of all kinds;
- Laying outdoor and indoor, walls and floors;
- Overlapping on existing floors, swimming pools, heating screeds, places subject to heavy traffic;
- Suitable for high performance poses, in industrial buildings or on the facade;
- Suitable for applications on any type of cement support, bastard mortars, old ceramic floors;
- Particularly recommended over waterproofing made with products of the AQUATUTOR® product line;
- Application on plaster, plasterboard, anhydrite screeds after treatment of the surfaces with BASEFORTE® PRIMER IDROX, at least 6 h before installation.

GRIGOKOLL® GENIUX

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® GENIUX and mix with mechanical stirrer to obtain a homogeneous mixture free of lumps, workable for about 4 hours. Leave the dough laying for 5 minutes, stir gain and apply.

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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.

Theoretica consumption

The consumption of GRIGOKOLL® GENIUX may vary depending on the porosity and flatness of the surface to be treated.

In general:

spatula type	8x8	10x10	Ø 15
quantity GRIGOKOLL® GENIUX	5 kg/m ²	6 kg/m ²	7 kg/m ²

Tech tips

- GRIGOKOLL® GENIUX GENIUX is suitable for all the above applications, without requiring the addition of other binders (cement, lime, plaster, etc.), or additives.
- Use GRIGOKOLL® GENIUX only when it results in plastic consistency. Once the grip is started it is difficult to draft, and it is necessary to make a new dough.
- Protect the coatings from rain for at least 24 hours.
- Protect the coatings from direct sun or frost for at least 7 days.

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Timing

	Pot life	Registration time	Set to light foot traffic	Grouting	Time for effect
GRIGOKOLL® GENIUX	approx. > 5 hrs.	approx. > 50 min.	approx. 24 hrs.		approx. 14 days
floors				approx. 24 hrs.	
walls				approx. 4-8 hrs.	

Supply and storage

GRIGOKOLL® GENIUX 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

Big slabs ceramic tiles, ceramic tiles and mosaics of any type and size, and natural stones, provided they are not sensitive to water and stains, should be glued with the Highly flexible grey-white powder adhesive for interior and exterior GRIGOKOLL® GENIUX from Fornaci Calce Grigolin, a product based on grey-white hydraulic binder, selected sands, resins and special additives aimed at improving workability and grip, at a rate of 2,5-5 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® GENIUX with other substances. Avoid extreme heat changes while hardening. The product must be protected from frost and rapid drying. GRIGOKOLL® GENIUX 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.

Do not use the adhesive to fill the support irregularities greater than 15 mm. Protect from rain for at least 24 hrs.

Temperature, ventilation, absorption of the support and installation material, may vary the processing times and grip of the adhesive.

Use a notched spatula appropriate to the size of the tile, ensure the full spatula in all outdoor poses.

Do not apply to iron or directly to bituminous sheaths.

Verify the compatibility of the adhesive with stone materials or natural stones with reinforcement systems applied on the back.

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TECHNICAL DATA	PERFORMANCE	STANDARD
Classification	C2TE S2	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	
Water in the mix	ca. 8 lt/bag	
Open time	> 30 min.	
Operating temperature	between -30°C and +90°C	
Adherence to initial traction	> 1 N/mm ²	EN 12004-2
Adherence to traction after water immersion	> 1 N/mm ²	EN 12004-2
Adherence to traction after heat action	> 1 N/mm ²	EN 12004-2
Adherence to traction after cycles of freezing/melting	> 1 N/mm ²	EN 12004-2
Deformability according to UNI EN 12004	> 5 mm	EN 12002
Mechanical resistance to flexion after 28 days	> 5 N/mm ²	
Mechanical resistance to compression after 28 days	> 12 N/mm ²	

Data are reported according to UNI EN 12004, at +23°C temperature and 50% H. R. in the absence of ventilation.

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