



The reported data refers to Quality Control tests in standard environmental conditions. Practical applications in the construction sites may detect significantly changed data, depending on operating conditions, so the information on the Card is only indicative because the user must always check its suitability for intended use of the product by taking responsibility for the use. Fornaci Calce Grigolin S.p.A. reserves the right to make technical changes of any kind without prior notice.



## GRIGOKOLL® MAX

**White and grey flexible adhesive, with high performance, workability and yield, for laying of ceramic tiles and mosaics of any type and size, and natural stones, provided they are not sensitive to water.  
Class C2TE S1.**



### Product description

GRIGOKOLL® MAX 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), glide resistant (T) with an extended open time (E), deformable (S1).

### Fields of use

GRIGOKOLL® MAX 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 subjected to dimensional variations (heated floors).

It may be also suitable 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, with the application of BASEFORTE® PRIMER IDROX.

GRIGOKOLL® MAX is suitable for laying on heating and cooling screeds, in swimming pools and industrial floors, with the possibility to realize thicknesses up to 15 mm both indoors and outdoors.

# GRIGOKOLL® MAX

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## 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.

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## Preparation of the dough

Prepare the dough by adding approx. 7,5 liters of clean water to each 25 kg bag of GRIGOKOLL® MAX 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 again and apply.

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## Application

Apply as usual with the toothed spatula in the appropriate thickness, depending on the type of tile to lay. It is not necessary to wet the tiles before laying them.

The tiles are applied with a slight movement, applying pressure, tapping thoroughly so that all surfaces of the tile come in perfect contact with the adhesive. Any rearranging of the tiles must be made within 60 minutes after laying.

In case of surface drying of the adhesive, 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.

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## Supply and storage

GRIGOKOLL® MAX is supplied in bags on stretch pallets.

Stock in cool, dry and ventilation free place. Keep packaging intact.

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## Specifications

Ceramic tiles of any type and stone tiles, which are stable and not changing form with humidity, should be glued with the flexible grey/white powder adhesive for interior and exterior GRIGOKOLL® MAX from Fornaci Calce Grigolin, based on grey-white hydraulic binder, selected sands, resins and special additives aimed at improving workability and grip, at a rate of 3-4 kg/m<sup>2</sup>. 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.

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## Disclaimers

Do not mix GRIGOKOLL® MAX with other substances. Avoid extreme heat changes while hardening. The product must be protected from frost and rapid drying. GRIGOKOLL® MAX 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	1300 kg/m <sup>3</sup> determined in free fall	
Mixture specific weight	1650 kg/m <sup>3</sup>	
Density of cured adhesive	1450 kg/m <sup>3</sup>	
Particle size	< 0,5 mm	
Water in the mix	ca. 7,5 lt/bag	
Consumption	3-4 kg/m <sup>2</sup>	
pH	> 12	
Time for effect	14 days	
Time to wait before sealing joints	approx. 24-36 hrs. on floor approx. 4-6 hrs. on wall	
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	24-36 hrs.	
Mechanical resistance to flexion after 28 days	> 5 N/mm <sup>2</sup>	
Mechanical resistance to compression after 28 days	> 12 N/mm <sup>2</sup>	

TECHNICAL DATA	PERFORMANCE	MINIMUM REQUIREMENT	STANDARD
Adherence to initial traction	1,9 N/mm <sup>2</sup>	> 1 N/mm <sup>2</sup>	EN 12004-2
Adherence to traction after water immersion	1,3 N/mm <sup>2</sup>	> 1 N/mm <sup>2</sup>	EN 12004-2
Adherence to traction after heat action	2,0 N/mm <sup>2</sup>	> 1 N/mm <sup>2</sup>	EN 12004-2
Adherence to traction after cycles of freezing/melting	1,5 N/mm <sup>2</sup>	> 1 N/mm <sup>2</sup>	EN 12004-2
Deformability	> 2,5 mm	≥ 2,5 mm	EN 12004-2

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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