

adhesives and glues

GRIGOKOLL

Flexible cementous adhesive with high adhesive power for ceramic tiles



Product description

GRIGOKOLL is a dry premixed adhesive based on selected inerts, white or gray hydraulic binder and special additives which give the product high adhesive power and elasticity.

Supply and Storage

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



Surface Preparation and Application

The areas of installation must be free from dust and dirt. Any traces of oils, fats, waxes, etc. must first be removed, as well as any inconsistent or brittle parts. Prepare the dough by adding about 5-5.5 liters of clean water to each 20 kg bag of GRIGOKOLL (26% for GRIGOKOLL Grey; 27% for GRIGOKOLL White) and mix by hand or with mechanical stirrer to obtain a homogeneous mixture free of lumps. The dough thus obtained has a pot life of about 8 hours. After being allowed to stand for 10 minutes, stir again and apply normally 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 the case of applying insufficient of glue, do not soak the surface but add more with the toothed spatula. For bonding the tiles outdoors and for levigated pavements, the bonding must be performed with a double coating system. After fastening the items, wait 1 day before sealing the joints.

Fields of use

GRIGOKOLL is a premixed adhesive used to glue ceramic tiles of any kind, including porcelain stoneware, 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, cured concrete). It may be also used for laying directly on top of old ceramic pavements. The surface should be level and consistent, clean, dry and should not be overly absorbent. Do not use for laying directly on substrates in gypsum or plasterboard walls.

Specifications

The ceramic tiles and decorations should be glued with the flexible gray-white powder adhesive for interior and exterior GRIGOKOLL from Fornaci Calce Grigolin, 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, taking care to respect or create deformation joints. For bonding the tiles outdoors and for levigated pavements, the bonding must be performed with a double coating system.

Technical data according to the UNI EN 12004 Standard

Classification according to EN 12004	C2TE
Powder specific weight	1350 kg/m ³ deter. in caduta libera
Mixture specific weight	1650 kg/m ³
Density of cured adhesive	1500 kg/m ³
Particle size	< 0,8 mm
Available colors	GRIGOKOLL Bianco GRIGOKOLL Grigio
Flexibility	SI
Water in the mix	26% circa Grigio 27% circa Bianco
Consumption	3-4 kg/m ²
pH	> 12
Pot life after mixing	> 8 ore ca.
Open time	30 min ca.
Registration time	60 min ca.
Time until it may be walked onto	24-36 ore
Mechanical resistance to flexion after 28 days	> 5 N/mm ²
Mechanical resistance to compression after 28 days	> 11 N/mm ²
Time for effect	14 giorni
Time to wait before sealing joints	24 ore ca.
ADHERENCE TO SUBSTRATE ACCORDING TO UNI EN 12004/1348	
Adesione a trazione iniziale	> 1 N/mm ²
Adesione a trazione dopo immersione in acqua	> 1 N/mm ²
Adesione a trazione dopo azione del calore	> 1 N/mm ²
Adesione a trazione dopo cicli di gelo e disgelo	> 1 N/mm ²

Disclaimers

Do not mix GRIGOKOLL with other substances. Avoid extreme changes in heat while hardening. The product must be protected from frost and rapid drying. We do not recommend using GRIGOKOLL when temperatures are below +5°C or above +30°C.



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