

GrigoKoll® adhesives and glues

OMNIX

Universal two-component adhesive-waterproofing for laying tiles of all genres, on all kinds of support. Type R2T.

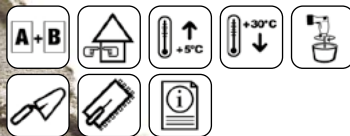


Product description

GrigoKoll® OMNIX is a two component epoxy adhesive consisting of a part A based resin and a component B which acts as a hardener. Classifiable according to UNI EN 12004. reactive adhesive (R), improved (2), glide resistant (T).

Supply and Storage

GrigoKoll® OMNIX is available in comfortable buckets containing the two separate and pre-dosed components for a total of ca. 4.8 kg (comp. A + comp. B). Stock in cool, dry and ventilation free 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 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, Massetto Rapido or other products with LR 30 have been used. Pour component B to the component A present in the bucket. Mix with the aid of a mechanical mixer at low speed until dough is smooth and free of lumps. Scraping with a spatula the edge of the bucket and then re-homogenize the product with the mechanical mixer. Apply normally with the toothed spatula in the appropriate thickness, depending on the type of tile to lay. GrigoKoll® Omnix allows to obtain the waterproofing of the laying surface and the bonding of the tiles at the same time, by applying on the surface a thin layer of adhesive with the smooth side of the spatula, and then wipe with the toothed part and proceed to laying coating. Apply the tiles with a slight pressure and beat carefully so it that the entire surface adheres perfectly with the glue. Any registration must be done within 30 minutes after installation. Seal the joints after 8-12 hours after application.

Fields of use

GrigoKoll® OMNIX is suitable for gluing ceramic tiles of all types, including porcelain stoneware flooring, interior and exterior, on all types of cementitious substrate normally used in the construction industry, also subject to dimensional variations (heated floors) and deformable. It can also be applied to prefabricated concrete and cast on site, wood, metal, PVC. It can not be applied on damp surfaces or gypsum or anhydrite if not previously treated.

Specifications

The ceramic tiles, of any type, and stone materials, stable and insensitive to humidity, will be glued with two-component epoxy adhesive for interior and exterior GrigoKoll® OMNIX from Fornaci Calce Grigolin. The installation areas should be clean and stable. It will be used for drafting a toothed spatula, taking care to respect or create deformation joints.

Technical data according to the UNI EN 12004 Standard

Classification according to EN 12004	R2T
Volume mass	1,60 g/cm ³
Pot-life ISO 9514	35±5 min
Density of cured adhesive	1150 kg/m ³
Resistance to solvents and oils	Good
Resistance to acids and alkalis	Good
Consumption	approx. 2-5 kg/m ² depending on the type of tile and support
Slip	≤ 0,5 mm
Ratio (comp. A : comp. B)	15 : 1
Time for effect	7 days
Time to wait before sealing joints	approx. 8-12 hrs.
Open time	approx. 45 min.
Registration time	approx. 60 min.
Set to light foot traffic	approx. 8-12 hrs.

ADHERENCE TO SUBSTRATE ACCORDING TO UNI EN 12003

Adherence to initial traction	3,0±0,6 N/mm ²
Adherence to traction after water immersion	3,3±0,6 N/mm ²
Adherence to traction after heat action	3,0±0,6 N/mm ²

testing methods are in accordance with the standards referred to on the table

Disclaimers

Do not mix GrigoKoll® OMNIX with other substances. Avoid extreme heat changes while hardening. The product must be protected from frost and rapid drying. GrigoKoll® OMNIX should not be used with temperatures below +5°C or above +30°C.

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.