

Unikoll

Mono-component adhesive based on hydraulic binders



A certified single-component cementitious adhesive with a base of hydraulic binders free from harmful additives, containing starch-derived adhesion promoters, selected siliceous and calcareous sands, reactive fillers with high pozzolanic activity and cellulosic thickeners for bonding tiles, ceramics, stoneware and natural and/or reconstructed stones on horizontal and vertical surfaces, for use both internally and externally. Cannot be used for plaster or anhydride substrates nor for substrates subject to movement or bearing a protective film.

CUSTOMS CODE: 3824 5090

COMPONENTS: Single-component

APPEARANCE: Powder

AVAILABLE COLORS: Gray

PACKAGING AND DIMENSIONS: Bag 25 kg - Pallet: 50 x (Bag 25 kg)

OBTAINED CERTIFICATIONS AND REGULATIONS



FIELDS OF APPLICATION

Bonding of tiles, ceramics, stoneware, natural and/or reconstructed stones, etc. on horizontal and vertical surfaces, internal and external. Regularisation finishings. Modular element bonding and smoothing for insulating cladding: polystyrene sheets, wood panels- magnesium panels, wood-cement, etc. Do not use for: - Substrates in gypsum or anhydrite - Substrates subject to movements - Substrates with protective films or coatings

ALLOWED SUPPORTS

Concrete - Prefabricated concrete - Tuff - Brickworks - Stone walls - Tiles - Floor screed

PREPARATION OF SUPPORTS

The surfaces of application have to be properly cured, conveniently roughened, clean, free of any soiling whatever its nature, crumbling and non-adhering parts, dust etc. Any traces of oils, greases, release agents, waxes, paints, etc., as well as any anti-adhesive substance, should be preliminarily removed.

MODE OF USE

For each 25 kg bag of Unikoll, add 6-6.3 litres of clean water and mix thoroughly, with a mechanical stirrer, until a homogeneous lump-free mixture is obtained. After waiting a few minutes, stir and spread the adhesive with a toothed adhesive spreader. The products (tiles or other coatings) should be applied with a slight pressurised movement for the entire surface to be in perfect contact with the adhesive. Any adjustment must be made within 10-12 minutes of laying. For applications outdoors, apply a continuous layer of adhesive also on the back of the item.

APPLICATION METHODS

Notched finishing trowel

TOOL CLEANING

Water

KEY FEATURES



Maximum diameter of aggregate: 0.4 mm



Mix with water: 28 %



Pot-life: 60 min



Shelf-life: 8 months



Temperature of use: +5 / +30 °C

TECHNICAL SPECIFICATIONS

UNI EN 1348

1 N/mm²

UNI EN 1346

0.6 N/mm²

UNI EN 1308

≤ 0.1 mm

UNI EN 1348

Durability - Tensile adhesion after immersion in water > **1 N/mm²**

UNI EN 1348

Durability - Tensile adhesion after freeze-thaw cycles > **1 N/mm²**

UNI EN 1348

Durability - Tensile adhesion after thermal aging > **1 N/mm²**

CONSUMPTION

Use from 3 to 5 kg/m² of Unikoll depending on the type of support and the type of material to be bonded.

STORAGE AND CONSERVATION

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity.



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Via Giovanni Gentile, 16/A - 46044 Goito (MN), Italy
Tel: +39 0376.604185 / 604365
Fax: +39 0376 604398
www.azichem.com - info@azichem.com

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PHOTO GALLERY



ADDITIONAL CONTENT



WARNINGS AND PRECAUTIONS

Do not apply in case of direct exposure to sunlight and/or rain.

Cure the protection for at least 24 hours. The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: www.azichem.com. The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: www.azichem.com.

It is forbidden to dispose of the product and/or packaging in the environment.



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