

## 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 anhydrite 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

 Pot-life: 60 min

 Temperature of use: +5 / +30 °C

 Mix with water: 28 %

 Shelf-life: 12 months

## TECHNICAL SPECIFICATIONS

Compressive strength after 28 days **8 MPa**

*UNI EN 1308*  
**0.03 mm**

Flexural strength after 28 days **3 MPa**

*UNI EN 1348*  
Durability - Tensile adhesion after thermal aging  $\geq$  **1 N/mm<sup>2</sup>**

Walkability **24 h**

Density **1500 kg/m<sup>3</sup>**

*UNI EN 1348*  
 $\geq$  **1 N/mm<sup>2</sup>**

Floor joint execution **24 h**

Strain at break, characteristic value **1.5 mm**

Commissioning **14 day**

Tile registration time **40 min**

*UNI EN 1348*  
Durability - Tensile adhesion after immersion in water  $\geq$  **1 N/mm<sup>2</sup>**

Execution of wall joints **24 h**

*UNI EN 1348*  
Durability - Tensile adhesion after freeze-thaw cycles  $\geq$  **1 N/mm<sup>2</sup>**

## CONSUMPTION

Use from 3 to 5 kg/m<sup>2</sup> 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.



## 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](http://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](http://www.azichem.com).

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

