

# tk-500

03/05 179



## TK-500

Ready-to-use adhesive paste for fixing ceramic wall tiles to gypsum-based or cement surfaces indoors.

**bonding agents  
and adhesives**

**TECHNOKOLLA®**





5-35°C



30 min



3-6 mm



3 mm

# tk-500



## MAIN FEATURES

- Ready to use product
- Longer open time
- Optimum workability
- Optimum flexibility

## APPEARANCE

Ivory white paste

## STORAGE

12 months in a dry place, sheltered from freezing temperatures and heat

## FIELDS OF USE

- Fixing absorbent wall tiles indoors. The tiles can be made of: cotto, twice-fired, single-fired ceramics.
- Suitable for use when high flexibility is required, such as: fixing on plasterboard or wood.

## SUBSTRATES

Cement-based or gypsum-based plaster, plasterboard, wood, cement-lime mortar, concrete.

## NATURE OF THE PRODUCT

TK-500 contains copolymers of organic nature, selected mineral charges, specific additives.

Ask our technical department for the safety brief for further information or download the details from our website [www.technokolla.com](http://www.technokolla.com)

## OPERATIONS PRIOR TO FIXING

Small hollows in the surfaces must be levelled. In this case, use RASO or RASORAPID respectively 24 h and 6 h before fixing the materials.

If the surface is gypsum-based, apply a coat of PRIMER-T before levelling.

It is very important to make sure that there is no rising humidity in the walls. In this case, the tiles can only be fixed after the cause of the water and saline bloom on the wall has been eliminated.



## RECOMMENDED ACCESSORIES



### TKW 457

Trowel 6x6 mm



### TKW 101

Trowel 3x3 mm



### TKW 161

PVC trowel

## HOW TO PREPARE THE MIXTURE

TK-500 is ready to use. Just open the can and stir briefly with the trowel before use. The product is a creamy paste that can be easily applied with a trowel, but with optimum thixotropy. Once the product has been applied, any left-over adhesive can be kept in the firmly closed can for future use.

## WARNINGS AND RECOMMENDATIONS

### Do not apply:

- to floors
- outdoors
- in places where there is a considerable degree of humidity
- in places used to contain water
- between two non-absorbent materials (use TECHNO-ONE or TECHNOS+ with TC-LAX)
- at temperatures less than 5°C or more than 35°C
- in layers more than 3 mm thick
- do not add anything to the product

## AMOUNT REQUIRED

|        |                     |                     |
|--------|---------------------|---------------------|
| Trowel | 3x3 mm              | 6x6 mm              |
| Tk-500 | 2 kg/m <sup>2</sup> | 3 kg/m <sup>2</sup> |

The amounts refer to sole use of the trowel and to flat substrates.

# tk-500

| TECHNICAL SPECIFICATIONS               | VALUE                   | REQUIREMENT            | STANDARD |
|--|-------------------------|------------------------|----------|
| pH                                     | 11.5                    |                        |          |
| Weight density                         | 1.78                    |                        |          |
| Open time                              | *30 min                 | 30 min                 | EN 1346  |
| Adjustability time *                   | approx.50 min           |                        |          |
| Wall tiles can be grouted*             | after 24 h              |                        |          |
| Initial shearing bond                  | ° 3.0 N/mm <sup>2</sup> | °> 1 N/mm <sup>2</sup> | EN 1324  |
| Shearing bond after the action of heat | ° 3.5 N/mm <sup>2</sup> | °> 1 N/mm <sup>2</sup> | EN 1324  |

° according to standard EN 12004

\* these times refer to a temperature of 23°C – 50% R.H.

They become shorter with higher temperatures and longer at lower temperatures

## SPECIFICATION

Ceramic wall tiles must be fixed with a class “D1E ready to use adhesive paste according to standard EN 12004”, such as the TK-500 type by TECHNOKOLLA, which allows tiles to be fixed on gypsum substrates without the use of PRIMER.

**Technokolla** reminds you to examine the “**notes**” **document** that completes the information in this data sheet.  
The document can be downloaded in the pdf format.

The advice about technical matters and applications in the technical data sheets, or given verbally or in writing by our personnel as part of our customer assistance service, are the result of our best and most up to date experience. Since we are unable to personally modify the conditions in the building site or the way the work is carried out, this information is purely indicative and, thus, binds us neither legally nor in any other way in relation to third parties. This information does not relieve the end user from being responsible for testing our products so as to make sure they are fit for the required use. We therefore strongly advise the customer/user to subject Technokolla's products to preventive tests in order to ensure that they are suitable. The end user is also responsible for checking to make sure that this technical data sheet is not obsolete and that more recent editions have not replaced it. Thus, before using our products, you are advised to download the most up to date version of the technical data sheet from our web site [www.technokolla.com](http://www.technokolla.com).