



S.C. ITAL-KOL S.R.L.  
RO, 307395 Commune of Șag, Str. XI nr. 64, Timiș county,  
Romania,  
Tel.: +40 256 395 200; +40 256 395 300, Fax: +40 256 395 100,  
Vat no.: RO 6470443, Registration no. with the Trade Register:  
J35 / 3176 / 93

CONSTRUIESTE  
CORECT

## Safety Data Sheet

Ed.1 /Rev.3 | Code F.14.00.05  
Reviewed and supplemented on:  
02/03/2011

**KLINKER FIX**

Code 1. 2. 07  
EC  
Conformity certification system 3

**Type of product:** Grey flexible mineral adhesive, based on hydraulic binders, improved, extended open time, reduced sliding and additional features, class C.2.TE according to SR.EN. 12004/2008.

**Description of product:** The KLINKER FIX adhesive is a flexible adhesive consisting of quartz sand, selected inert materials, Portland concrete and specific hydrosoluble additives.

**Intended uses:** It is used for plating with klinker apparent bricks.

Technical data:	Class/Type according to SR.EN. 12004/2008	C.2.TE
	Type	flexible
	Use	inside/outside
	Adherence on the support layer	min. 1.0 N/mm <sup>2</sup>
	Adherence on the support layer after frosting/defrosting	min. 1.0 N/mm <sup>2</sup>
	Adherence on the support layer after immersion in water	min. 1.0 N/mm <sup>2</sup>
	Adherence on the support layer after ageing	min. 1.0 N/mm <sup>2</sup>
	Minimum waiting time from the preparation of the paste until the application	10 min
	Maximum storage time of the paste in the bucket until usage (pot life)	90 min
	Maximum time to mount the tiles after the application of the paste on the support (open time)	30 min
	Maximum time to adjust the tile after montage	30 min
	Minimum waiting time until the application of joints between the stuck tiles	24 hours
	Minimum waiting time until the possibility of transition	24 hours
	Preparation	only with water
	Mixture water	7 l / 25 kg
	Consumptions	Approx. 5 kg / m <sup>2</sup>
Application temperature:	+5°C - +35°C	

The product is used only by trained and qualified operators, complying with the following stages:

### Usage

#### manner: 1. Inspection of support:

The inspection of the support is an important stage in the process of using the product.

The surfaces on which the KLINKER FIX product is used must be:

- Made of concrete, masonry mortars or foundations (minimum M50), minimum 28 days old.
- Plane and smooth - meaning that the inconsistencies should not exceed 5 mm/m.
- Clean, free of dust and salts, lacking anti-adherent substances (fats, bitumen, dust, plaster, paint, old masonry etc.), with a normal water absorption, ranging between 3% and 6%.
- No cracks. The presence of capillary cracks is accepted, due to the hydraulic adherence, drying and hardening of the support, but other cracks, due to the incorrect preparation of the support, which are major (> 0.3 - 0.5 mm), mobile and advancing while hardening are not allowed, the support being

improper for tiling.

- e. Resistant, compact and lacking crumbly portions.
- f. Dry - Residual humidity measured in the support on which the product is applied, at 2-3 cm depth should not exceed 2%.

In case the support on which the product is used does not comply with the 6 minimum conditions presented above, the support is considered improper for ceramic tiling with this product.

## 2. Preparation of product:

The adhesive is prepared by mixing a sack of 25 kg of powder with 7 litres (280ml/kg) of clean and cold water, used only in clean and proper recipients. The mixture is prepared with a rotational mechanical device, electrical or pneumatic, with low rotations (500 rot./min.) with a worm propeller guaranteeing a homogenous mixture.

The powder is poured into the water (not the water into the powder) and it is mixed until obtaining a homogenous paste, free of lumps.

After preparing the paste, it is put to rest for approx. 10 minutes, then it is remixed approx. 2 minutes. After remixing, the paste is ready to be used.

Failure to comply with the preparation stages leads implicitly to loss of product properties and may generate usage failures.

## 3. Application of product:

None of the operations described below shall be performed under the direct action of sunlight, in the presence of strong wind currents or at environment or support temperatures under 5°C or higher than 35°C.

The support is inspected before applying the adhesive. The inspection is performed according to section 1. "Inspection of support".

In case the support has an absorption of 6 ÷ 8 %, the KLINKER FIX adhesive may be used after the improvement of the support with the help of a primer done with HIDROFLEX.

The adhesive shall be spread on the surface to be tiled with a toothed grouter. In addition, the adhesive shall be applied on the back of the tiles with the toothed grouter so that the adhesive should fill the channels for adherence.

The tiles shall be secured in their place through the strong pressing and a slight movement from left to right. Following the securing of the tiles, there should be no air bubbles in the adhesive mass.

## 4. Final recommendations:

- a. The excess mortar reaching the surface of the tiles is easily removed with a brush.
- b. For vertical plating, the dilatation joints shall be used on all the connections with the walls.
- c. The product is mixed only with clean and cold water and only in clean and proper recipients.
- d. The product is not applied under the direct influence of sunlight, of wind and rain or at environment and support temperature under + 5°C or above + 35°C or in case there is the possibility that these phenomena occur in the following 24 hours.
- e. Higher humidity and/or lower temperatures may delay the hardening, while higher temperatures reduce the workability times and accelerate the adherence and the hardening.
- f. If the adhesive applied on the support exceeded the specific open time (formed a film), the montage is interrupted, the adhesive applied is removed and action should be taken to correct this situation.
- g. The dilatation joints are mandatory.

Packaging: The product is packed in sacks with a mass of 25 kg, 60 sacks/foiled pallet.



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**Storage:** The product is stored for max. 12 months in a dry place, on pallets, in the original undamaged package.

**Marking:** Each sack has been marked with the manufacture date on the base - five groups of digits symbolising:  
day . month . year . number of manufacturing line . number of manufacture lot.

**Warranty:** The product has a 12 month warranty from the manufacture date marked on the package, only under the storage conditions mentioned above.

- ATTENTION!**
- The prepared product is alkaline.
  - Protection glasses, gloves and anti-dust masks shall be worn when manipulating and transporting the product.
  - In case of accidental contact of the product with the eyes, these should be immediately washed with clean water and then consulting the specialised physician!
  - The products in damaged packages shall not be used.
  - The unused rests shall not be disposed of in the sewerage!

**Note 1:** The present data sheet accompanies each invoice or waybill which refers to the product presented in the sheet.

**Note 2:** It is forbidden to reproduce parts or fragments from the present data sheet.

**Note 3:** The present data sheet has been drawn up to properly inform the user about the presented product. The use of this sheet for other purpose than informing you about the product and preparing the technological specifications regarding application is strictly forbidden without the written consent of ITAL-KOL.

**Note 4:** For other additional information, which you consider you should receive or you find useful, we recommend that you contact the producer in writing, before using the product. Any producer liability regarding failures in applying the product resulted from misinterpreting the text of the present data sheet or from verbal consultancy is excluded.

**Note 5:** The data presented in the product data sheet and, mainly, the instructions regarding the manner and area of application of the product are based on the skills and practical experience of the person applying the product. Due to a large variety of materials, tools or working conditions which we cannot totally control or foresee or which, even if they are clearly mentioned in the product data sheet, are not correctly assessed by the person applying the product, in each case we recommend, before use, to carry out individual tests of applying the product, so that you can be sure that the product the present data sheet is describing is suitable for your respective field of application.

Any producer liability regarding failures in applying the product resulted from the causes mentioned above in this sheet is excluded, except for the event when the damages resulted only from the poor quality of the product that the present data sheet refers to.

**Note 6:** Depending on the evolution of the technical regulations applicable, the producer preserves the right to modify the present data sheet. For the purpose of confirming the data in the sheet, we recommend you to visit the web page: web [www.italkol.ro](http://www.italkol.ro) prior to using the product