



S.C. ITAL-KOL S.R.L.
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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

PLANI FLEX

Code 1. 2. 08
EC
Conformity certification system 3

Type of product: Mineral adhesive, with self-levelling consistency, with a large workability time, used for ceramic tiles and natural rock tiles, class C.2.E according to SR.EN. 12004/2008.

Description The PLANIFLEX adhesive is a flexible adhesive mortar consisting of quartz sand, with a selected of product: granulometry, Portland concrete and specific hydrosoluble additives.

Intended uses: It is used to stick the medium or large ceramic tiles and/or the natural rock tiles inside and outside.

Technical data:	Class/Type according to SR.EN. 12004/2008	C.2.E
	Type	Flexible, with high workability
	Use	inside/outside
	Adherence on the support layer	min.1.0 N/mm ²
	Adherence on the support layer after frosting/defrosting	min.1.0 N/mm ²
	Adherence on the support layer after immersion in water	min.1.0 N/mm ²
	Adherence on the support layer after ageing	min.1.0 N/mm ²
	Minimum waiting time from the preparation of the paste until the application	10 minutes
	Maximum storage time of the paste in the bucket until usage (pot life)	120 minutes
	Maximum time to mount the tiles after the application of the paste on the support (open time)	30 minutes
	Maximum time to adjust the tile after montage	40 minutes
	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	approx. 8 l/25kg
	Application temperature:	+5°C ... +35°C

Consumptions:	Tile dimension	Trowel shape	Average consumption
	From 10x10 cm to 30x30 cm	6 - 10 mm	approx. 5 kg/m ²
	Over 30x30 cm	15 mm	approx. 5 kg/m ²



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

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 PLANIFLEX product is used must be:

- a. Made of concrete, masonry mortars or foundations (minimum M50), minimum 28 days old.
- b. Plane and smooth - meaning that the inconsistencies should not exceed 5 mm/m. In case the support layer presents large inconsistencies, these shall be corrected in advance by applying an adherent mortar with the same resistance like the one of the support layer.
- c. Clean, free of dust and salts, lacking anti-adherent substances (fats, bitumen, dust, plaster).
- d. Resistant, compact and lacking crumbly portions.

In case the support on which the product is used does not comply with the 4 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 approx. 8 litres (320 ml/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".

The ceramic tiles are inspected and must be clean and dry.

Planiflex is applied with a toothed trowel directly on to the support wetted in advance. When choosing the toothed trowel, the planarity of the support, and the dimensions of the tiles as well as the type of profile on the back of the tiles have to be taken into account.

The tiles are applied on the adhesive bed having a thickness of 3 mm up to 20 mm, perfectly continuous, without exercising a larger pressure.

4. The correct mounting:

The tiles placed on adhesive are easily pressed by hand and hit with a rubber hammer in order to ensure the coverage of the tile back with adhesive in proportion of 100%.

While mounting the tiles on the spread paste, attention shall be paid to comply with the maximum workability time (open time and adjustment time of the tile after mounting). Exceeding these periods leads to loss of adherence.

5. Final recommendations:

- a. The product is applied only on horizontal surfaces.
- b. The product is not applied on wooden support surfaces, on metallic surfaces, on rubber surfaces, on PVC or linoleum.



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Packaging: The product is packed in sacks with a mass of 25 kg, 60 sacks/foiled pallet (1. 2. 08).

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 prior to using the product