

Product type: Adhesive mortar, for bonding B.C.A blocks - according to SR.EN. 12004/2008

Short description of product: B.C.A. FIX is a grey powder, obtained from mixing together hydraulic binders, quartz sand, silica sand, selected inert materials and specific water-soluble additives. B.C.A. FIX is a monocomponent product which only needs to be mixed with clean and cold water before usage.

Areas of application: B.C.A. FIX is used as an adhesive for B.C.A. blocks.

Technical data:	Physical form	powder
	Colour	grey
	Flammability	no
	Toxicity	no
	Apparent density	Approx. 1,300 kg/m ³
	Average consumption	approx. 30 kg/m ³ .
	Mixture water	~ 6 l / 25 kg
	Preparation	Only with water
	Compressive strength after 28 days	6.3 N/mm ²
	Bending strength	2.7 N/mm ²
	Pot life	90 minutes
	Adherence to base layer (autoclave-cured cellular concrete blocks) per 28 days	0.52 N/mm ²
	Temperature range for usage	+ 5°C – + 35°C

Instructions for use: Application of product is carried out only by trained and skilled workers in mortar applications, in the following stages:

1. Checking the base surface:

Checking the base layer is an important stage in the process of applying the product.

The autoclave-cured cellular concrete blocks must be clean, dry and well lined up so that the maximum distances of adhesive mortar layer between the blocks should not exceed 3 mm.

2. Preparing the product:

The product is mixed with clean and cold water (240ml/kg) by pouring the powder into the water (and not the other way around). Only clean and appropriate containers should be used. Mixing is done with a rotating mechanical device (electrical or pneumatic), with low revolutions (maximum: 500 rev./min.) fitted with a screw. Mixing is carried out for about 4 minutes in order to obtain a perfectly homogeneous paste. After mixing, it is left to rest for about 10 minutes and then it is mixed again for about 1-2 minutes; then it can be used provided that the moments of using the product are observed.

3. Product application:

None of the operations described below shall be performed under direct sunlight, under powerful air currents (wind) or at air or base layer temperatures lower than 5°C or exceeding 35°C.

The resulted paste is applied with an indented spatula (tooth size: 6mm). After its application, the autoclave-cured cellular concrete block is immediately pressed so that the layer should be 3 mm thick after this operation.

4. Final recommendations:

- a. The product is mixed only with clean and cold water and only in clean and appropriate containers.
- b. The product is not applied under direct sunlight, wind, rain or air and base layer temperatures lower than + 5°C or exceeding + 35°C or when such phenomena may occur in the next 24 hours

Packaging: The product is packaged in sacks weighing 25 kg; 60 sacks per pallet covered in foil.

Storage: The product is stored for maximum 12 months in a dry place, in its original undamaged package, placed on the pallet.

Marking: Each sack is marked by being stamped, on the bottom, with the following information: date of production – five groups of figures symbolizing:
the day, the month, the year ending, production line number, production batch number.

Warranty: The product has a 12 month warranty beginning on the date of production marked on the package; this warranty applies only for the storage conditions mentioned above.

- WARNING!**
- The prepared product is alkaline. During handling and transport, goggles, gloves and anti-dust masks should be worn. In case the product gets accidentally into your eyes, wash immediately with lots of clean water and then quickly contact a doctor!
 - Products with damaged packaging should not be used.
 - The unused items should not be discarded into the sewerage system

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