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 J35 / 3176 / 93

CONSTRUIEȘTI
 CORECT

Safety Data Sheet

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

GLASSKOL ALB

Code 1. 2. 04
 Code 1. 2. 06
 EC
 Conformity certification system 3

Type of product: White flexible mineral adhesive, based on hydraulic binders, reduced sliding, additional features, increased adherence, class C.2.TE.S2 according to SR.EN. 12004/2008

Description of product: The GLASSKOL ALB adhesive is a flexible adhesive mortar consisting of quartz sand, selected inert materials, white concrete and specific hydrosoluble additives.

Intended uses: It is used to secure the ceramic tiles, such as sandstone, tiles, porcelain sandstone, from the AI, AllA, Allb, AllI, Bla, Blb, BIIa, BIIb and BIII groups, regardless of the dimensions, the mosaics (even of those made of natural stones) and to mount the plates of natural stones requiring the quick drying of the adhesive, such as marble, travertine, limestone, granite and NEVADA glass bricks, inside as well as outside, on any type of support, regardless of the age, including bitumen membranes, pool walls or plasterboard, provided that it should be primed with HIDROFLEX in the case of the last three types of support.

Technical data:

Class/Type according to SR.EN. 12004/2008	C.2.TE.S2
Type	flexible
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
Sliding	0.1 mm
Transversal deformation	5 mm
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)	45 minutes
Maximum time to mount the tiles after the application of the paste on the support (open time)	20 minutes
Minimum waiting time until the application of joints between the stuck tiles	4 hours
Minimum waiting time until the possibility of transition	24 hours
Preparation	only with water
Mixture water	6.3 l / 25kg
Application temperature:	+5°C – +35°C

Consumptions:

Tile dimension	Trowel shape	Average consumption
Mosaic and small tiles in general	4	approx. 3 kg/m ²
Up to 10x10 cm	6 mm	approx. 4 kg/m ²
From 10x10 to 20x20 cm	8 mm	approx. 5.5 kg/m ²
From 20x20 to 30x30 cm	10 mm	approx. 6 kg/m ²
Natural rock tiles	10 mm	approx. 6 kg/m ²
Over 30x30 cm – with double application	15 mm	approx. 7 kg/m ²
Consumption for sticking glass bricks	approx. 0.9 kg/m ² / mm joint width	

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 GLASSKOL ALB 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.
- c. 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%.
- d. 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 6.5 litres (250 ml/kg) of clean and cold water, used only in clean and proper recipients. The mixture is prepared with an electrical or pneumatic rotational mechanical device, with low rotations (500 rot./min.) having a worm propeller and 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 GLASSKOL ALB adhesive may be used after the improvement of the support with the help of a primer done with HIDROFLEX.

In case of tiling on plasterboard support, its priming with HIDROFLEX is recommended.

After inspecting and eventually preparing the support, the paste adhesive obtained according to section 2 is applied with a rectangular toothed scraper creating a lined and uniform surface. The thickness of the layer is determined by the inclination of the trowel upon application. The thickness of the layer applied must be between 5 mm and 7 mm.

4. The correct mounting:

The tiles applied on the paste adhesive, according to section 3, are easily pressed by hand and hit with a rubber hammer, in order to remove the air gaps. The use of spacer for the joints alignment is recommended.



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

5. Final recommendations:

- a. For the achievement of a exterior vertical tiling with porcelain sandstone, NEVADA glass bricks, marble and granite, it is recommended to comply with the work conditions and the auxiliary materials specific for such actions.
- b. The use of the product does not eliminate the necessity of using the reinforcement imposed by the designer (for glass bricks).
- 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.

Packaging: The product is packed in sacks with a mass of 25 kg, 60 sacks/foiled pallet (1. 2. 04).
The product is packed in sacks with a mass of 13 kg, 108 sacks/foiled pallet (1. 2. 06).

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