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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: 03.05.2011

**POLIFIX
IMPACT+**

Code 1. 5. 22
The technical agreement: AT 007-
04/495-2011

Type of product: Mass mineral mortar for scraper application in order to cover the thermal insulating plates made of expanded polystyrene, extruder and basalt mineral wool, with an increased resistance to shock.

Description of product: The POLI-FIX IMPACT PLUS product is a mortar consisting of quartz sand, selected inert materials, Portland concrete and specific hydrosoluble additives.

Intended uses: The POLI-FIX IMPACT PLUS product is designed for the scraping of plates made of expanded polystyrene, extruder and basalt mineral wool.

Technical data:	Type	flexible
	Open time at 5 minutes	min. 1.75 N/mm ²
	Open time at 10 minutes	min. 1.62 N/mm ²
	Open time at 20 minutes	min. 1.26 N/mm ²
	Open time at 30 minutes	min. 0.97 N/mm ²
	Humidity ability at 30 minutes	88 %
	The traction adherence at 28 days under standard conditions (expanded polystyrene + Polifix IMPACT PLUS adhesive with build-in fibre glass net	0.14 N/mm ² (breakage through polystyrene)
	The traction adherence at 28 days under standard conditions (extruder polystyrene + Polifix IMPACT PLUS adhesive with build-in fibre glass net	0.16 N/mm ² (breakage through polystyrene)
	The traction adherence at 28 days under standard conditions (basalt mineral wool + Polifix IMPACT PLUS adhesive with build-in fibre glass net	0.1 N/mm ² (breakage through mineral wool)
	Vertical sliding	0.09 mm
	Bending resistance of 2 J,	Without damages
	Quartz granulation	0.3 – 0.6 mm
	Minimum scraping thickness	2 mm/layer
	Maximum scraping thickness	4 mm/layer
	Preparation	only with cold water
Mixture water	6.7 l / 25 kg	
Average consumption upon scraping	approx. 3.5 kg/m ²	

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

1. Necessary auxiliary materials:

The product is used together with:

- Stress relieved expanded polystyrene plates for faade, having a minimum density of 15 Kg/m³
- Stress relieved extruded polystyrene plates for faade, having a minimum density of 32 Kg/m³
- Rigid plates of basalt mineral wool, having a minimum density of 85 Kg/m³ with the fibre perpendicular on the surface to be insulated, or special rigid plates for plating, with a minimum density of 140 Kg/m³ with the fibre parallel on the surface to be insulated;
- Fibre glass net with the specific weight of approx. 165 g/m²;
- Pins with plastic rosette, specialised in securing the polystyrene on the faade, with the proper length for mechanical securing of the polystyrene plates;

- Metallic profiles for the base, protection metallic profiles for corners and other profiles for protection and finishings.

2. Inspection of support:

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

The expanded, extruded polystyrene plates, as well as the basalt mineral wool plates, must be free of crumbly portions (grains of polystyrene which peel off the plate), dust or hardened material resulted following the plates sticking on the support layer.

If more than 7 days have passed from the montage of the polystyrene plates until their scraping and, thus, they have been exposed to ultraviolet beams, their surface shall be polished and dusted before the scraping.

3. Preparation manner:

In order to prepare the product, a sack of 25 kg of powder is mixed with 6.7 l (270 ml/kg) of clean and cold water, only in clean and proper recipients, until obtaining a homogenous paste. The mixture is prepared for 2 minutes with a rotational mechanical device, electrical or pneumatic, with low rotations (500 rot./min.) and high power (minimum 1200 W) fitted with a mixing rod specific for mortars. 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 mixing, it should be put to rest for 10 minutes and it is remixed for 1-2 minutes, then it is ready to be used.

The paste obtained following the above mentioned procedure shall be used for maximum 90 minutes after remixing.

4. 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.

Scraping:

This is the stage in which the POLI-FIX IMPACT PLUS mortar, prepared as mentioned in section 2, is applied on the mounted plates on the support layer.

The scraping is executed after minimum 2 days and maximum 7 days from the montage of the expanded or extruded polystyrene plates.

If more than 7 days have passed from the montage of the polystyrene plates until their scraping and, thus, they have been exposed to ultraviolet beams, their surface shall be polished and dusted before the scraping.

The POLI-FIX IMPACT PLUS mortar, prepared as mentioned in section 2, is gradually applied on the surface made of the mounted polystyrene using a hawk (smoothing board, grouter) toothed with teeth of 3 - 8 mm.

In the case of basalt mineral wool plates, the POLI-FIX IMPACT PLUS mortar is gradually applied on the surface with a grouter with teeth of 8 - 10 mm.

As the mortar is applied, the fibre glass net is laid on it while wet, from bottom to top, by hand and using the hawk so that the net should penetrate almost 50% of the filling mass. The net shall overlap minimum 10 cm the joint areas been the strips.

After applying the net the filling mass is immediately finished in order to include the net, using the hawk, so that a smooth and plane surface should be obtained (with the fibre glass net included in the medium area).

The total time used for the application of the mortar, the net inclusion and the finishing (scraping) shall not exceed in any way 10 minutes.

The thickness of the final layer obtained must not be smaller than 2 mm and larger than 4 - 5 mm, and the fibre glass net must not be visible.

Attention shall be paid to obtain a smooth, uniform and plane surface through scraping.



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5. Final recommendations:

- The filling mass layer obtained through the application of the instructions from 4b shall be left to dry minimum 7 days before executing any other subsequent finishing.
- Before a subsequent finishing (plastering and/or masonry, application of structured masonry, etc.), after the minimum 7 day period, the scraped surface shall be inspected for defects of planarity and/or cracks.
- The planarity defects may be corrected through polishing/puttying, but paying attention not to damage the reinforcement net.
- The product is mixed only with clean and cold water and only in clean and proper recipients.
- The product shall not be applied at environment or support temperatures under 5°C or over 35°C.

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

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 consult 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