VETRO VIVO

Litochrom - STARLIKE (Litokol)

EPOXY MORTAR FOR MOSAIC

FEATURES

- **Easy to clean**

extremely easy to apply and to clean even when used on industrial floorings with tiles that have a rough, non-slip surface (like R12 or R13).It can be mixed or removed mechanically.

- **Luminous and Glossy**

Metallic-effect and bright colours. It creates uniform colours and avoids all problems of efflorescence and uneven colouring

- **Safe and Reliable**
- **It doesn't give off unpleasant scents**
- **Stain-resistant and water repellent**
- **It prevents the proliferation of fungus and moulds**
- **Excellent resistance to acids and chemical substances**
- **High mechanical strength and abrasion resistance**

9 times more flexible than a normal cementitious grout, it doesn't scratch itself.

- **It meets following European norms:**
  - UNI EN 12004 referring to the tile adhesives
  - UNI EN 13888 referring to the tile grouts
  - Classification as enhanced reactive adhesive (class R2) with zero vertical slip (T) and as reactive grout (class RG).
  - CE mark- Following tests conducted at the AIDICO Ceramic Technology Institute based in Valencia, it has been granted the CE mark.

USE

- can be used as either an adhesive or a grout (important characteristic when installing vitreous mosaic).
- Suitable for grouting floor and wall tiles in interiors and exteriors such as:
  - Glazed or unglazed porcelain tiles
  - Single or double fired tiles
  - Klinker
  - **Vitreous mosaic**
  - Metallic mosaic
  - Natural or reconstituted stones
- Suitable for applications where surfaces are exposed to aggressive chemical substances such as dairies, wineries and oil mills.
- Recommended for laying and grouting floor and wall tiles in swimming pools and thermal baths.

PACKAGING

- Available in buckets: **2,5 / 5 / 10 Kg**

CONSUMPTION

Used as Grout

MOSAIC Size (cm)	Joint width (mm)	Consumption (kg/m$_2$)
Mosaic 1,5x1,5x0,3	1,5 - 3	1,1
Mosaic 4,7x4,7x0,6		1,05

Used as Adhesive

Trowel notch size	Consumption
4 mm	1,6 kg/m$_2$

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APPLICATION

- **General Information:**

Because LITOCHROM STARLIKE is an epoxy-based product, its workability is influenced by temperature. The recommended temperatures for ease of use of the product are between +18°C and +23°C. Lower temperatures make the paste denser and therefore more difficult to apply. The hardening time and time before use also become longer. On the other hand higher temperatures shorten the product's pot life.

- **Preliminary Checks and Joint Preparation:**

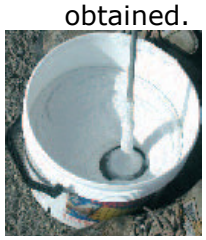
Check that the adhesive or mortar used to fix the mosaic has completely hardened and dried. The joints must be clean, free of powder and empty down to at least 2/3 of the mosaic thickness. Any adhesive or mortar that has squeezed up inside the joints must be removed.

A – WEAR THE GLOVES

B - MIXING

- Cut an edge of bag with the catalyst (part B) contained in the small bucket and pour it onto part A (paste)

- Be sure to pour the entire contents of the catalyst using a steel spatula to scrape the sides and the bottom of the container.
- Mix using an electric drill equipped with mixing paddle until a uniform, lump-free mix is obtained.



- Hand mixing is not recommended.
- The two parts are pre-batched in their packaging avoiding all risk of mixing errors.
- The obtained mortar has a pot life of about 45 minutes.

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C – LAYING All works must be made by specialized labour, particularly for the exterior applications and for the swimming pools.

Litochrom STARLIKE can be used also as an adhesive

1^ - Wear the gloves
2^ - Apply the adhesive (use ANY type of adhesive for ceramic tiles but of colour **WHITE**)
3^ - With the aid of a SHAFT and a LEVEL, trace a reference net to start the positioning of the Sheets.

4^ - Make HOLES on the net of the FREE MOSAICS to allow the out coming of the adhesive, which reduce the request of grout
5^ - Place the sheets correctly aligned and perpendicular to the reference borders.
6^ - Push with the float so as to fix the sheets

7^ - Push on certain points to fix them better (insert some loosen pieces at your choice between the mosaic sheets, so as to get a natural effect from the laid pattern and to make invisible the joint between one mosaic sheet and the other one).
8^WAIT FOR THE USUAL TIME (as for ceramic tiles fixing) BEFORE PROCEEDING WITH GROUTING

D - GROUTING with STARLIKE – LITOKOL (prepare the GROUT respecting the doses and components mixture as indicated in the card).

9^ - For an easy use of the product, the suggested temperatures should be between + 18° and + 23°C.
10^ - The paste obtained is workable for about 45 minutes. WORK ON A MAXIMUM SURFACE of 1 sqm. every time
11^ - Grout the mosaics (full of glass) as the traditional system. Introduce the paste obtained into the joints, using a special green rubber float (art. 104/G) moving diagonally across the joints, removing the excess product, always with the rubber float.
12^ - For the "MOSAICS IN FREE COMPOSITIONS" (where there are empty spaces with no glasses), apply the grout with A SMALL FLOAT on the empty net

13^ - Remove the excess grout with a float diagonally hold
14^ - Wet with plenty of water the Brite felt (which has to be frequently rinsed and replaced when it becomes difficult to clean)

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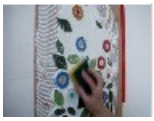
15^ - Level the grout and clean the glasses with a wet felt making a light clockwise movement (for the glass mosaics)

16^ - Continue the cleaning of the glasses using a soft wet sponge.

17^ - Level the grouted surface, in particular the surface with no glasses, SWABBING the surface with a DAMP sponge



18^ - Clean carefully the glasses, with particular care to the relieves, TOTALLY REMOVING ANY RESUDUE OF GROUT while it is still fresh.

19^ - The grout dragged on the glasses during cleaning operations, may be easily removed if CLEANED IMMEDIATELY while the GROUT IS FRESH.

20^ - Later on, when the grout has already dried, it is possible to apply CORRECTING LAYERS of grout repeating the whole procedure (it is possible only with white grout).

E - USE OF LITONET

- To remove stains of the epoxy grout, the cleanser LITONET can be used pure or diluted in water 1:10 depending on the different uses.
- The solution must be applied on the surface and let it act for 15-30 minutes.
- Then you must proceed with single-brush machine or brush equipped with felt.
- Vacuum or wipe up dirt.
- In the end rinse with plenty of water.

F - CAUTIONS

1. Mix correctly the two components (A+B).
2. Change frequently the water.
3. Change the felt and the sponge when they are impregnated with product.
4. Do not wait for more than 24 hours for the final cleaning with LITONET.
5. Do not step on the just grouted surface to avoid damages to the flooring due to the resin residues.

Note: Further technical information on the characteristics and fields of application of the product are given in the technical sheet of LITOKOL (www.litokol.it)