

EN

STARLIKE® EVO



LITOKOL®

> breathe safe air



ZHERORISK®
EVOLUTION TECHNOLOGY

Zherorisk® is a research initiative by Litokol's R&D division with the participation of the University of Modena and Reggio Emilia, the DICAM (Department of Civil, Chemical, Environmental, and Materials Engineering) of Bologna and external research institutes, on raw materials and ways of combining them, aimed at developing an innovative generation of environmentally-friendly building products with "zero risks".

Zero risk for the user



- ✓ Given that most VOC emission occurs during application, the use of products with ultra-low VOC emission increases the safety of professional users; the lack of pungent and unpleasant odours makes the workplace much more comfortable.



- ✓ Non corrosive
- ✓ Non toxic
- ✓ Non-hazardous to the environment



Zero risk for the environment

- ✓ Renewable primary materials
- ✓ Recycled materials
- ✓ Lower energy consumption
- ✓ Lower CO₂ emissions
- ✓ Reduced consumption of basic materials



Zero risk for homes



- ✓ Very low VOC emissions: safeguarding the quality of air in homes and the health of those who live there.

Zero risk in transportation



- ✓ Product not subject to restrictions for road, sea, air and rail transport
- ✓ No ADR restrictions for road transport
- ✓ No IMO containers for transport by sea

Certifications



EC1 PLUS

Litokol products with Zherorisk® technology come with EMICODE EC1 PLUS certification and labelling, for “products with a very low volatile organic compound emission rate” in compliance with the guidelines issued by GEV (association for the control of building material emissions), **with much lower values than the limit values.**



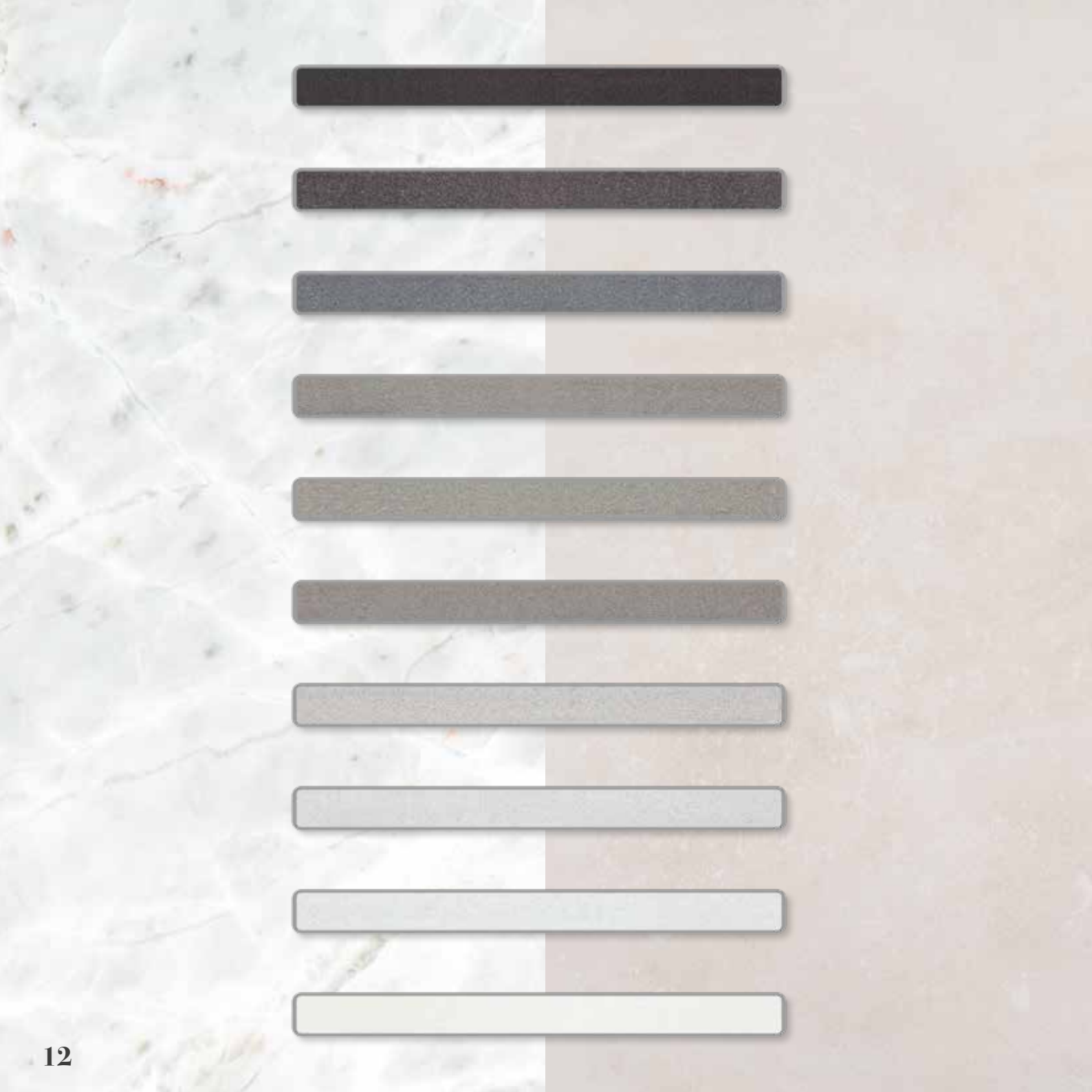
Émission dans l'air intérieur

“Émission dans l'air intérieur” is the mandatory labelling of building products or wall and floor covering products used in buildings, in accordance with the French regulation on the characteristics of volatile pollution emissions (VOC) for the product. The product emission level is indicated by a class ranging from A+ (very low emissions) to C (high emissions), according to the same principle used for electrical appliances.





wood effect mood





natural stone mood



cement effect mood







550 rosso oriente

580 rosso mattone

600 giallo vaniglia

> spotlight on grouts



➤ colour in stone



530 viola ametista



580 rosso mattone



600 giallo vaniglia



430 verde pino



>Over 150 finishes

Class
COLD COLLECTION

10 new shades, studied in minute detail
to adapt to any **shade of grey**



100 Bianco Assoluto



102 Bianco Ghiaccio



105 Bianco Titanio



110 Grigio Perla



115 Grigio Seta



120 Grigio Piombo



125 Grigio Cemento



130 Grigio Ardesia



140 Nero Grafite



145 Nero Carbonio

Class
WARM COLLECTION

gradual transition through 10 **warm shades**, all carefully balanced



200 Avorio



202 Naturale



205 Travertino



208 Sabbia



210 Greige



215 Tortora



225 Tabacco



230 Cacao



232 Cuoio



235 Caffè

The glitter finishes **Galaxy** (pearl effect), **Spotlight** (silver glitter) and **Gold** (gold glitter) mixed in as the third component to Starlike® EVO (Class and Glam Collection), allow you to obtain grouting with one-of-a-kind and exclusive effects.



Glam COLLECTION

15 on-trend colours and **sophisticated**
colour combinations



300 Azzurro Pastello



310 Azzurro Polvere



320 Azzurro Caraibi



330 Blu Avio



340 Blu Denim



350 Blu Zaffiro



400 Verde Salvia



410 Verde Smeraldo



420 Verde Prato



430 Verde Pino



500 Rosa Cipria



530 Viola Ametista



550 Rosso Oriente



580 Rosso Mattone



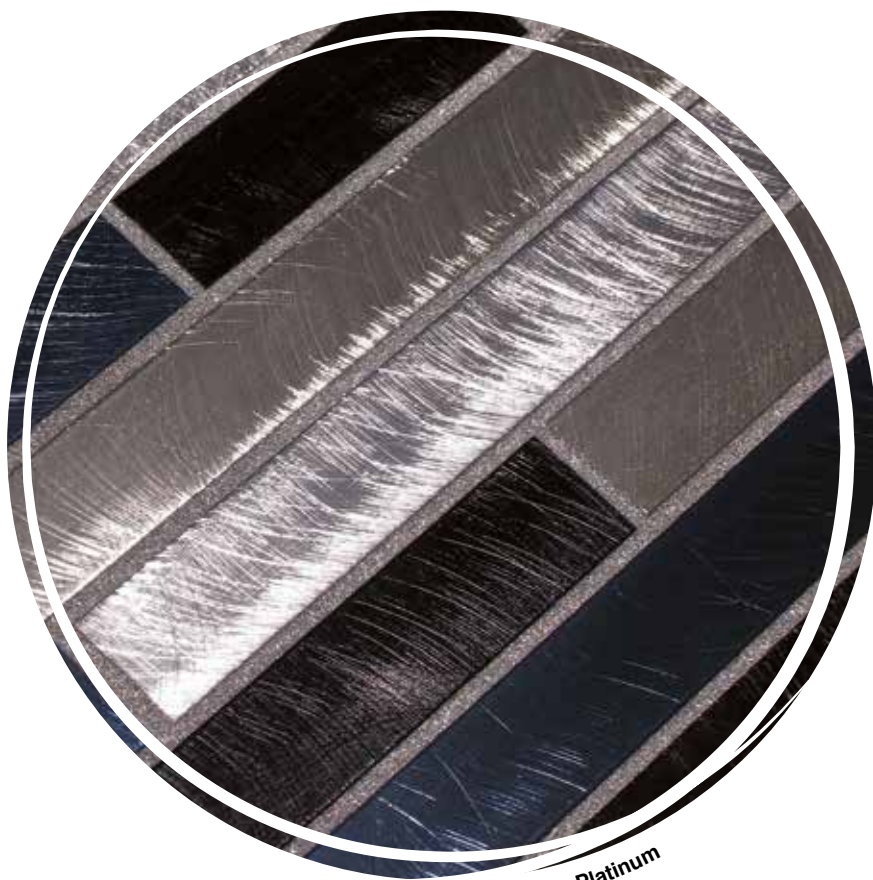
600 Giallo Vaniglia



Special

EFFECTS COLLECTION

The Starlike® EVO collections are completed by a special range of colours, materials and effects which can also be combined with ceramic tiles or ultra-sophisticated mosaics, both in terms of aesthetic appeal and the type of material used.



Metallic Platinum

Starlike® EVO Metallic Collection

With the **Platinum, Shining Gold, Bronze, Copper and Rusty** additives mixed in as the third component to **Starlike® EVO Neutro 113**, top-quality joints are obtained to match ceramic tiles or mosaics with metallic effects and colours.



Platinum



Shining Gold



Bronze



Rusty



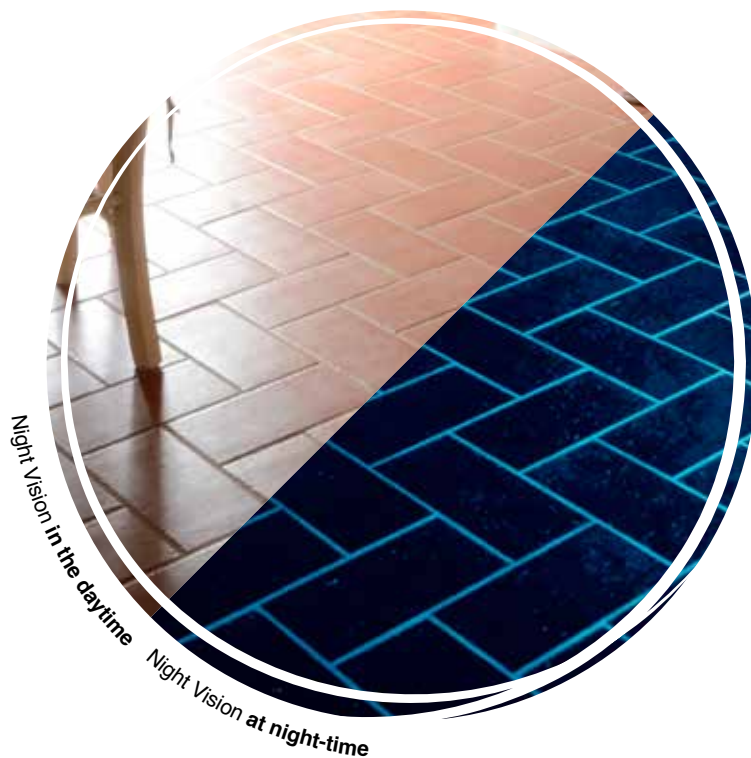
Copper

Starlike® EVO Night Vision

The **Night Vision** additive mixed in as the third component to Starlike® EVO allows you to obtain grouting which, after being exposed to sunlight or artificial light, emanates an amazing **fluorescent colour** for several hours after dark. The Night Vision additive, for indoor-use only, illuminates the joints with its spectacular and eye-catching effect.



Night Vision

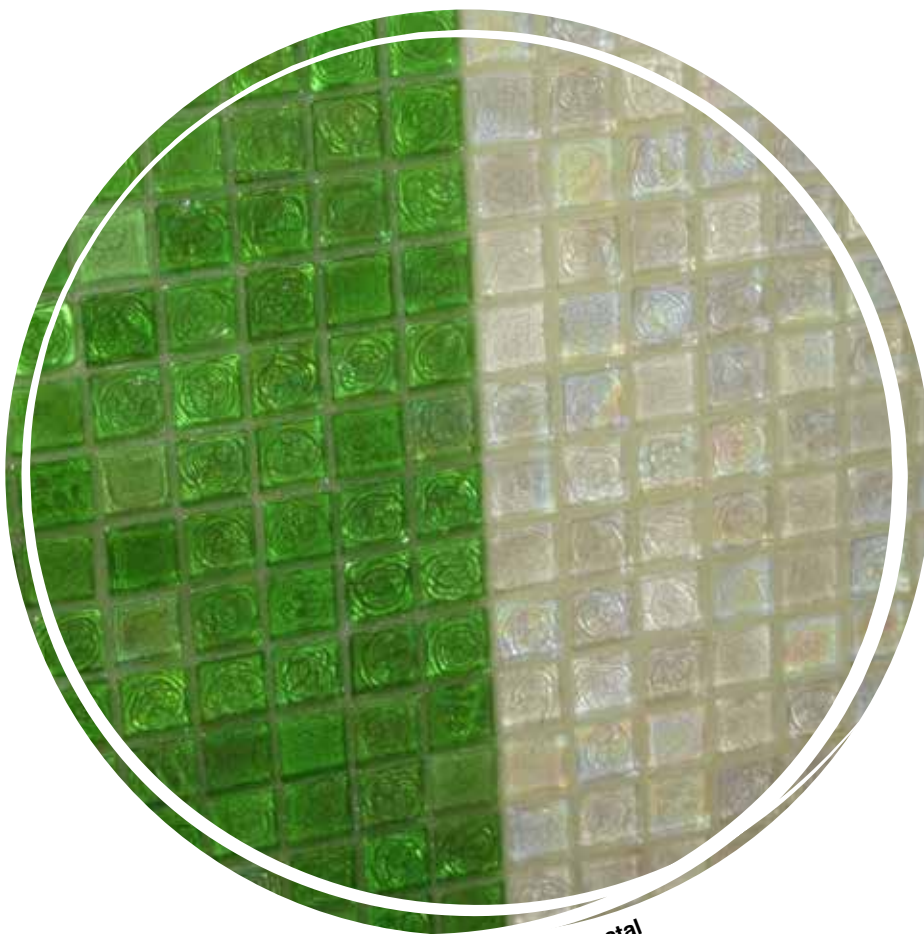


Starlike® Crystal EVO

Based on aggregate made from glass beads, Starlike® Crystal EVO is the perfect solution for grouting transparent and artistic glass mosaics. The translucent joint absorbs the colour of the transparent glass mosaics and takes on the same colour. This property makes Starlike® Crystal EVO the ideal grout for transparent glass mosaics with joints up to 3 mm in width. Thanks to its neutral colour and semi-transparent appearance, Starlike® Crystal EVO is also the recommended solution for artistic mosaics because it does not change the colours of the composition or interfere with the image.



700 Crystal



700 Crystal

Starlike® ColorCrystal EVO

While Starlike® Crystal EVO is used exclusively for grouting transparent or artistic glass mosaics, with Starlike® ColorCrystal EVO it is possible to achieve tone-on-tone grouting for mosaics that are not completely transparent or consist of both transparent and opaque tiles, which are difficult to harmonise with traditional grout. The Starlike® ColorCrystal EVO colours have been designed to adapt to decorative situations featuring a combination of different materials.



800 Grigio Oslo



810 Verde Capri



820 Azzurro Taormina



825 Beige Havana



830 Rosa Kyoto



825 Beige Havana

Class

COOLCOLLECTION

WARMCOLLECTION

Class

STARLIKE® EVO

100 Bianco assoluto
102 Bianco Ghiaccio
105 Bianco Titanio
110 Grigio Perla
115 Grigio Seta
120 Grigio Piombo
125 Grigio Cemento
130 Grigio Ardesia
135 Nero Grafite
140 Nero Carbonio
200 Avorio
202 Naturale
205 Travertino
208 Sabbia
210 Greige
215 Tortora
225 Tabacco
230 Cacao
232 Cuoio
235 Caffè

GALAXY

100 Bianco assoluto
102 Bianco Ghiaccio
105 Bianco Titanio
110 Grigio Perla
115 Grigio Seta
120 Grigio Piombo
125 Grigio Cemento
130 Grigio Ardesia
135 Nero Grafite
140 Nero Carbonio
200 Avorio
202 Naturale
205 Travertino
208 Sabbia
210 Greige
215 Tortora
225 Tabacco
230 Cacao
232 Cuoio
235 Caffè





















SPOTLIGHT

100 Bianco assoluto
102 Bianco Ghiaccio
105 Bianco Titanio
110 Grigio Perla
115 Grigio Seta
120 Grigio Piombo
125 Grigio Cemento
130 Grigio Ardesia
135 Nero Grafite
140 Nero Carbonio
200 Avorio
202 Naturale
205 Travertino
208 Sabbia
210 Greige
215 Tortora
225 Tabacco
230 Cacao
232 Cuoio
235 Caffè

GOLD

100 Bianco assoluto
102 Bianco Ghiaccio
105 Bianco Titanio
110 Grigio Perla
115 Grigio Seta
120 Grigio Piombo
125 Grigio Cemento
130 Grigio Ardesia
135 Nero Grafite
140 Nero Carbonio
200 Avorio
202 Naturale
205 Travertino
208 Sabbia
210 Greige
215 Tortora
225 Tabacco
230 Cacao
232 Cuoio
235 Caffè

OTTOSEAL®

	S105 C01
	S105 C116
	S105 C71
	S105 C43
	S100 C1170
	S105 C02
	S105 C1168
	S100 C808
	S100 C5176
	S105 C04
	S100 C51
	S105 C84
	S100 C103
	S100 C55
	S105 C77
	S105 C2044
	S100 C6778
	S100 C6777
	S100 C6776
	S100 C21

Glam

COLLECTION

STARLIKE® EVO

300 Azzurro Pastello
310 Azzurro Polvere
320 Azzurro Caraibi
330 Blu Avio
340 Blu Denim
350 Blu Zaffiro
400 Verde Salvia
410 Verde Smeraldo
420 Verde Prato
430 Verde Pino
500 Rosa Cipria
530 Viola Ametista
550 Rosso Oriente
580 Rosso Mattone
600 Giallo Vaniglia

GALAXY

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600 Giallo Vaniglia

OTTOSEAL®

	S100 C753
	S105 FN2674
	S105 FN2682
	S105 FN2681
	S100 C25
	S105 FN2678
	S100 C91
	S105 FN2680
	S105 FN2679
	S100 C6854
	S100 C74
	S105 FN2673
	S100 C35
	S100 C2288
	S105 FN2672

Metallic

COLLECTION

- STARLIKE® EVO Neutro + **Platinum**
- STARLIKE® EVO Neutro + **Shining Gold**
- STARLIKE® EVO Neutro + **Bronze**
- STARLIKE® EVO Neutro + **Copper**
- STARLIKE® EVO Neutro + **Rusty**

	S100 C14
	S100 C19
	S100 C15
	S100 C05
	S100 C2288



Starlike® EVO is the only product in the world that can be used in 3 different ways:



1 - epoxy filler for joints;



2 - class R2T adhesive

(improved reactive adhesive with no vertical slip);



3 - decorative finish for walls

(with Decor additive).

Starlike® EVO is a two-component, acid-resistant epoxy grout for laying and grouting ceramic tiles and mosaics with joints between 1 and 15 mm in width. It is extremely easy to apply and clean and is ideal for direct contact with foodstuffs.

As an adhesive, it is particularly recommended in the case of installation of thin mosaic. As a smoother, it creates unique decorative solutions, smoothing the walls with the same colour as the grouting.



Identification data

Appearance Component A: thick coloured paste
 Component B: thick liquid

Classification according to EN 13888:

RG – reactive grout sealant

Classification according to EN 12004:

R2T - high-performance reactive adhesive
and no vertical slip

Customs code:

35069190

Storage:

24 months in original packaging in a dry place.

Application data

Time before grouting floor application:

- with normal-setting adhesive: 24 hours
- with fast-setting adhesive: 4 hours
- with mortar: 7-10 days

Wall application

- with normal-setting adhesive: 24 hours
- with fast-setting adhesive: 4 hours
- with mortar: 2-3 days

Mixing ratios:

Component A: 93.7 parts by weight

Component B: 6.3 parts by weight

The two components are pre-measured in their respective packaging

Mix consistency:

Thixotropic paste

Specific gravity of mix

1.55 kg/l

Mixture life:

About 1 hour at T = +23°C

Application temperatures allowed:

From +10°C to +30°C

Recommended application temperature:

From +18°C to +23°C

Set to light foot traffic:

24 hours at T = +23°C

Ready for use:

5 days at T = +23°C

Joint width:

From 1 to 15 mm

Made In Italy



Performance

Initial shear adhesion strength (EN 12003): $\geq 2 \text{ N/mm}^2$

Shear adhesion strength after water immersion (EN 12003):
 $\geq 2 \text{ N/mm}^2$

Shear adhesion strength after thermal shock (EN 12003): $\geq 2 \text{ N/mm}^2$

Open time (EN 1346): $\geq 0.5 \text{ N/mm}^2$ after 20 minutes

Determination of slip (EN 1308): $\leq 0.5 \text{ mm}$

Resistance to abrasion (EN 12808-2): $\leq 250 \text{ mm}^3$

Flexural tensile strength after 28 days

at standard conditions (EN 12808-3): $\geq 30 \text{ N/mm}^2$

Compressive strength after 28 days

at standard conditions (EN 12808-3): $\geq 45 \text{ N/mm}^2$

Shrinkage (EN 12808-4): $\leq 1.5 \text{ mm}$

Water absorption after 4 hours (EN 12808-5): $\leq 0,1 \text{ g}$

Working temperature: From - 20°C to +100°C



> the benefits of Starlike®EVO



**BEAUTY AND STRENGTH IN
ALL RESIDENTIAL SETTINGS**



**GROUTING THAT IS RESISTANT
TO THE MOST EXTREME
INDUSTRIAL APPLICATIONS**



**FOR PUBLIC AND
COMMERCIAL FLOORS WITH
HEAVY FOOTFALL**



**WATERPROOF JOINT: STAIN
AND DIRT PROOF**



**GROUTING IN DIRECT
CONTACT WITH
CHEMICAL OR AGGRESSIVE
SUBSTANCES**



**EASY-TO-CLEAN JOINTS THAT
DO NOT ABSORB LIQUIDS
AND STAINS**



**EASY-TO-CLEAN EVEN FOR
APPLICATIONS ON VERY
ROUGH R12 TILES**



**RESISTANT
TO UV RAYS**



**IDEAL FOR CONTACT
WITH FOODSTUFFS**

> Packaging

Class
COLD COLLECTION

Class
WARM COLLECTION



Packaging	1kg	2,5 kg	5 kg
Starlike® EVO Class Cold Collection	✓*	✓	✓
Starlike® EVO Class Warm Collection	✓**	✓	✓

(-) 100 Bianco Assoluto - 110 Grigio Perla - 125 Grigio Cemento - 140 Nero Grafite
 (**) 205 Travertino - 210 Greige - 225 Tabacco - 230 Cacao

1X STARLIKE® 1kg 1X STARLIKE® 2,5kg 1X STARLIKE® 5kg

Packaging	1kg	2,5 kg	5 kg
Starlike® EVO Finishes	✓	✓	✓

1X STARLIKE® 1kg 1X STARLIKE® 2,5kg

Packaging	1kg	2,5 kg	5 kg
Starlike® EVO Decor	✓	✓	

Glam
COLLECTION



Packaging	1kg	2,5 kg	5 kg*
Starlike® EVO Glam Collection		✓	✓

(*) 300 Azzurro Pastello - 310 Azzurro Polvere - 320 Azzurro Caraibi - 330 Blu Avio - 340 Blu Denim
 350 Blu Zaffiro - 400 Verde Salvia - 430 Verde Pino

1X STARLIKE® 1kg 1X STARLIKE® 2,5kg 1X STARLIKE® 5kg

Packaging	1kg	2,5 kg	5 kg
Starlike® EVO Finishes		✓	✓

1X STARLIKE® 1kg 1X STARLIKE® 2,5kg

Packaging	1kg	2,5 kg	5 kg
Starlike® EVO Decor		✓	

Special

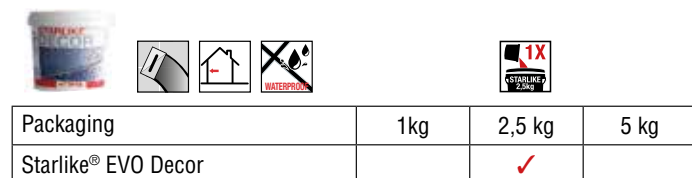
EFFECTS COLLECTION



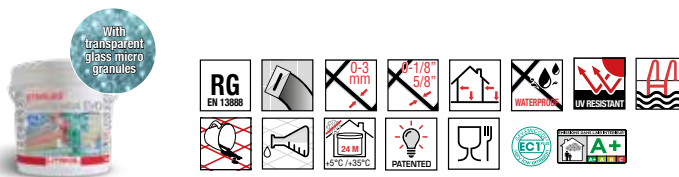
Packaging	1kg	2,5 kg	5 kg
Starlike® EVO - 113 Neutro		✓	✓



Packaging	1kg	2,5 kg	5 kg
Starlike® EVO Metallic Collection Platinum, Shining Gold, Bronze, Copper, Rusty		✓	✓




Packaging	1kg	2,5 kg	5 kg
Starlike® Crystal EVO	✓	✓	✓





Packaging	1kg	2,5 kg	5 kg
Starlike® Color Crystal EVO		✓	


Application phases:

- 


Empty the entire contents of the catalyst (B) onto the paste (A).

- 




Special finishes: pour the additive onto the paste and mix slowly.

- 



Mix using an electric drill fitted with a mixing paddle. Scrape the sides of the bucket to eliminate all parts of non-catalysed product.

- 



The joints must be dry. Apply the paste in the joints using a green rubber float (art. 946GR), with diagonal movements in the direction of the joints. Remove the excess product.

- 



The grout must be cleaned while the product is still wet. Sprinkle clean water. Clean initially using a moistened white felt pad (art. 109/GBNC) making circular movements. Ensure no water enters the joints.

- 



Clean a second time with a sweepex sponge (art. 128G0001).

- 


Any stains of the transparent product can be removed after 24 hours or, in any case, after the joint has hardened. Use Litonet EVO (floors) and Litonet Gel EVO (walls). Spread Litonet EVO or Litonet Gel EVO with the white felt pad.

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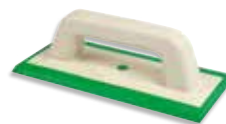
Leave on for 15-30 minutes. Rub the surface with the white felt pad.

- 

Rinse with clean water. Dry immediately with a clean cloth and do not wait for the rinse water to evaporate.

You may also need:

946GR



128G0001



109GBNC



Litonet EVO
Litonet Gel EVO



Litostrip



Litonet PRO



For correct use and further information,
consult the technical and safety data sheets on www.litokol.it