

Litosil COLOR

UNIVERSAL HIGHLY ELASTIC ACETIC SEALANT FOR DURABLE AND LONG-LASTING SEALING. IDEAL FOR CERAMICS, INTERIORS AND EXTERIORS, WET AREAS AND SWIMMING POOLS. SOLVENT-FREE AND MOULD-RESISTANT. PRODUCT WITH VERY LOW VOLATILE ORGANIC COMPOUND EMISSION RATE.



DESCRIPTION

Single component silicone and acetate sealant.

ADVANTAGES / FEATURES

- Product with very low volatile organic compound (VOC) emission rate. Complies with class EC1^{PLUS} according to the EMICODE protocol and class A+ (Émission dans l'air intérieur - French Regulations)
- Ready to use
- Flexibility
- Waterproof
- Excellent resistance to weathering, ageing and UV rays
- Resistant to mould and bacteria
- Exceptionally smoothable surface
- Product exempt from restrictions for road, sea, air and rail transport
- Excellent adhesion without primer on all typical industrial and building materials

PACKAGING

300 ml cartridge - Box with 12 pcs

FIELDS OF APPLICATION

Sealing of expansion joints on floors, walls and façades.
Expansion joints and connecting joints in healthcare environments.
Bonding and insulation of glass elements.
Sealing of profiled glass.
Sealing of swimming pools in ceramic and porcelain stoneware.

PREPARATION OF SUBSTRATES

The surfaces to be grouted or bonded must be perfectly clean, dry and free of dust, grease, oil and old paint.
Cleaning of non-porous surfaces: cleaning with OTTO Cleaner T (drying time approximately 1 minute) and a clean, lint-free rag.
Cleaning of porous surfaces: mechanically clean the surfaces, e.g. with a steel brush or single disc machine, to remove any loose particles.
In the event of problems with adhesion on certain surfaces, use a specific primer.

APPLICATION

Remove the top part of the threaded part of the cartridge, screw in the plastic nozzle and cut it to the right angle depending on the desired diameter and profile.
Insert the cartridge in a manual or air gun (with telescopic piston) and extrude the adhesive grout, being careful to avoid the entrainment of air.
Once opened, the packages must be used in a relatively short time.
The ideal operating temperature for the substrate and grout is between 15°C and 25°C.
The joints must be finished within the grout open time.
Avoid contact with solvents during cross-linking.
Given the many factors influencing the workability and application of the product, the user should always perform a test application.

WARNINGS

- Spread the product at temperatures between +5°C and +40°C inclusive
- In warm climates, keep the packaged product in a cool and dry place away from the sun before use

- Prima di applicare il prodotto è necessario assicurarsi che i materiali costruttivi con i quali si verrà a contatto siano compatibili con il prodotto stesso e tra loro e che non possano danneggiare o alterare le caratteristiche del prodotto
- In case of construction materials that will be subsequently worked in the point where the product is applied, the user must check that the relative solid or volatile components cannot compromise or alter the product's features
- When necessary, the user must contact the manufacturer of the construction materials respectively used
- Minimum quantities of acetic acid are slowly released during setting
- Good ventilation is needed during application and setting
- Vulcanisation times are proportional to the thickness of the silicone joint
- The single component silicones are not suitable for full surface bonding, except in specific construction conditions
- If the sealing silicone needs to be applied in a layer more than 15 mm thick, we kindly ask that you contact the technical help service first
- Avoid contact with bituminous or plasticising materials such as butyl, EPDM, neoprene, bituminous and insulating felts
- To repair joints affected by mould, the existing elastic grout must be completely removed
- The product cannot be overpainted
- Do not use the product for applications not stated in this technical sheet
- If in doubt, contact the Litokol S.p.A Technical Help Service.

SAFETY INFORMATION

Consult the product safety data sheet, available on request.
PRODUCT FOR PROFESSIONAL USE

CALCULATION OF CONSUMPTION

Depth	Linear metres of joint possible with a 300 ml cartridge				
	Width 6 mm	Width 8 mm	Width 10 mm	Width 15 mm	Width 20 mm
5 mm	± 10 m	± 8 m	± 6 m	-	-
7 mm	-	± 6 m	± 4.5 m	± 3 m	-
10 mm	-	-	± 3 m	± 2 m	± 1.5 m
15 mm	-	-	-	± 1.5 m	± 1 m
20 mm	-	-	-	± 1 m	± 0.8 m

TABLE OF PRIMERS

Substrate	Primer
Acrylic glass/PMMA (Plexiglas, etc.)	-
Acrylic bathroom fixtures (e.g. tubs)	+ / 1101
Raw aluminium	+
Anodised aluminium	1216
Aluminium, powder-coated	1101 / T
Powder-coated aluminium (with Teflon)	T
Concrete	1105
Reconstituted stone	-
Lead	-
Stainless steel	1216
Iron	-
Covering in epoxy resin	+
Epoxy resin grout	1216 / T
Glass	+ / 1226
Wood, painted (solvent-based)	+
Painted wood (water-based)	1216
Wood finished with flatting (solvent-based)	1216
Wood finished with flatting (water-based)	1215 / 1226
Untreated wood	1215 / 1225
Ceramic, glazed	+
Ceramic, not glazed	+
Plastic profiles (rigid PVC)	1217 / 1226
Copper	-
Melamine resin slabs	1216
Brass	-
Solid surface material	+ / 1101 / 1216
Natural stone (marble, granite, etc.)	-
Polyester	+
Polypropylene (PP)	-
Aerated concrete	1105

Plaster	1105
Rigid PVC	1217 / 1225
Flexible PVC film	1217 / 1226
Tin plate	-
Zinc, galvanised iron	-

KEY

+	GOOD ADHESION WITHOUT PRIMER
-	NOT SUITABLE
T	SPOT TEST RECOMMENDED

APPLICATION DATA

Polymerisation	Acetic acid cross-linking
Consistency of mix	Thixotropic paste
Specific gravity	0.99 kg/dm ³
Film-forming time	Approx. 15 minutes
Setting in 24 hours	2-3 mm
Application temperatures	From +5°C to +40°C
Recommended application temperatures	From +15°C to +25°C
Temperature of use	From -40°C to +150°C
Set to light foot traffic	24 hours at T=+23°C
Ready for use	5 days at T=+23°C

IDENTIFICATION DATA

Appearance	Thick coloured paste
Colours	See colour chart
Customs code	32149000
Shelf life	24 months in original packaging away from sources of heat and direct sunlight. Protect against frost.

PERFORMANCE

Set to thickness	3 mm	24 hours
Shore hardness A	22	ISO 868
Elastic modulus at 100%	≥ 0.4 N/mm ²	ISO 8339
Elongation at break	250%	ISO 8339
Tensile strength	≥ 0.7 N/mm ²	ISO 8339
Permissible overall deformation	25%	ASTM C920
Class	25 LM	ISO 11600 F

COLOUR CHART

LITOSIL	STARLIKE EVO	StyleGrout	EpoxyElite EVO	LITOSIL	STARLIKE EVO	StyleGrout	EpoxyElite EVO	LITOSIL	STARLIKE EVO	StyleGrout	EpoxyElite EVO
White 1	✓	✓	✓	Ivory 1	✓	✓		Blue 1	✓		
White 2	✓	✓		Ivory 2	✓	✓		Blue 2	✓		
Silver 0	✓			Ivory 3	✓	✓	✓	Blue 3	✓		
Silver 1	✓	✓	✓	Ivory 4	✓			Blue 4	✓		
Silver 2	✓	✓		Beige 1	✓	✓		Blue 5	✓		
Silver 3	✓	✓	✓	Beige 2	✓	✓	✓	Blue 6	✓		
Black 0	✓			Beige 3	✓	✓	✓	Blue 7	✓		
Black 1	✓	✓	✓	Beige 4	✓	✓	✓	Blue 8	✓		
Black 2	✓	✓	✓	Brown 1	✓	✓		Green 1	✓		
Grey 0	✓		✓	Brown 2	✓	✓		Green 2	✓		
Grey 1	✓	✓		Brown 3	✓	✓	✓	Green 3	✓		
Grey 2	✓	✓		Brown 4	✓		✓	Green 4	✓		
Grey 3	✓	✓		Brown 5	✓			Pink 1	✓		
								Red 1	✓		

NOTES

Data detection at temperature +23 °C, R.H. 50% and with no wind. May vary depending on the specific conditions of the installation site.

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The information and provisions contained in this technical data sheet reflect our best experience. Given the impossibility of directly intervening on the conditions of the work site and execution of the works, they represent indications of a general nature, which are in no way binding on our Company. It is therefore advisable to perform a spot test to check the suitability of the product for the intended use. In any case, users must determine whether or not it is suitable for the intended use and shall assume all associated responsibility.

Litokol S.p.A.
Via G. Falcone 13/1
42048 Rubiera (RE) Italy
Tel. +39 0522 622811
Fax +39 0522 620150
info@litokol.it

www.litokol.it

