Code: P1313 2026/05 EN

Silmat Color



Ultra-matt, elastic decorative sealant.

Silmat Color develops a high degree of adhesion on porous and non-porous substrates, in all conditions, ensuring integrity and hydraulic tightness of coverings being subject to deformation.

1. **Suitable for porcelain tiles, ceramics, low thickness slabs**
2. **Suitable for damp environments**
3. **High degree of adhesion**
4. **High elasticity**
5. **Overpaintable**
6. **High chromatic stability**
7. **Resistant to frost**
8. **Opaque finish**
9. **Odourless**
10. **Available in 37 colours**

kerakoll

Areas of application

→ Elastic, waterproof sealing of expansion and connection joints on:
- porcelain tiles, low thickness slabs, ceramic tiles, klinker, cotto, glass and ceramic mosaic, of all types and formats
- bathroom fittings, showers
- glass and wood or metal doors and windows
- prefabricated concrete panels, exposed surfaces in concrete
- brick
- cement-based screeds and plasters or cement-lime mortar
- joints in commercial floorings subject to medium to high foot traffic

→ Intended use
For internal and external use, including environments subject to freezing, on fractionizing, expansion and connection joints in balconies, terraces, facades, bathrooms, showers, window and door frames. Also suitable on damp substrates.

Do not use on rubber, plastic and bituminous materials that weep oils, solvents and plasticizers; in the realisation of joints subject to high abrasion.
On marble and natural stones, always check compatibility with the sealant.
Do not use for swimming pool joints.

Instructions for use

→ Preparation of substrates
The sides of the joints to be sealed must be perfectly dry, clean and free from any traces of grease, dust or rust. Remove all flaky or loose parts and carefully remove rust from metals. When preparing visible joints, and in order to achieve a clean sealing line, the user should protect the edges using normal adhesive tape. The use of Keragrip Pulep on metal surfaces optimises the cleanliness of the surface and the adhesion of the product to it.

→ Preparation
Silmat Color is ready-to-use. After cutting the conical nozzle of the cartridge, cut the spout at an angle of 45° to suit the width of the seal to be realized and screw it onto the cartridge. insert the cartridge in the special pneumatic friction gun.

→ Application
Areas close to joints must be protected with masking tape to prevent substrates from being contaminated and to ensure even sealing. Remove masking tape immediately after smoothing the sealant.

Make sure the hybrid paste has been compacted deep into the joints to ensure optimum adhesion. To achieve a perfect finish, pass a metal or plastic spreader soaked in soapy water over the surface in one, continual movement if possible. In order to ensure a reliable sealing, capable of withstanding expansion and contraction stress, the following conditions are necessary:
- the joint is applied so that movement will not exceed 25% of joint width
- the ratio between width and sealant depth is between 1 and 2
- the sealant adheres only to the sides of the joint and not to the substrate. Use Joint preformed polyethylene foam sub-joint layer to adapt depth and prevent adhesion to the substrate.

→ Cleaning
Residual traces of sealant can be removed with common solvents such as toluene or petrol. Once hardened, Silmat Color can only be removed by mechanical means.

Special notes

→ Do not use in completely closed areas as the product will polymerise in atmospheric humidity.
→ Brush the joint within 5 minutes after application to ensure the best contact between sealant and substrate.
→ A base coat is normally not necessary. Specific substrates (porous or made of plastic materials) may require the use of an adhesion promoter to ensure maximum adhesion. This product is recommended for all situations at risk from dust.
→ Silmat Color can be painted over. In case of overpainting, the sealant must be fully polymerised. We recommend the use of elastomeric paints, more specifically the following products:
- paints for internal use: Absolute, Decor, Exence White Color, Exence Paint, Exence White
- paints for external use: Kerakover Kompact Pittura, Kerakover Acrilex Flex
- glazes: Microresina, Aqualite Silk, Aqualite Smalto Lucido.

Always carry out a preliminary compatibility test between sealant and paint.

Certificates and marks

CE EN 15651-1 CE EN 15651-3 CE EN 15651-4 EPD-IES-0002872 environdec.com GEV EMICODE EC 1 very low emission ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

* *Émission dans l'air intérieur Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).*

Abstract

Elastic and waterproof sealing of expansion joints will be carried out with a moisture-curing silane-terminated hybrid sealant with a high level of elasticity for expansion-deformation joints, CE-marked and compliant with the performance requirements of Standard EN 15651 part 1, 3 and 4, such as Silmat Color by Kerakoll Spa. The joint must be clean, dry, free from moisture rising and prepared with a suitable polyethylene foam sub-joint layer such as Joint. One cartridge will cover ≈ 2,9 linear metres for joints with a width and depth of 1 cm.

Technical Data compliant with Kerakoll Quality Standard		
Appearance	coloured thixotropic paste	
Specific weight	≈ 1.5 kg/dm³	
Chemical nature	moisture-curing silane-terminated hybrid polymer	
Shelf life	≈ 24 months from production in the original sealed packaging	
Warning	protect from frost, avoid direct exposure to sunlight and sources of heat	
Pack	290 ml cartridge	
Maximum movement allowed	≤ 25%	ISO 11600
Joint minimum width	≥ 5 mm	
Joint max width	≤ 30 mm	
W/D ratio sealing cross-section		
- up to 12 mm	1 / 1	
- from 12 to 30 mm	2 / 1	
Temperature range for application	from +5 °C to +40 °C	
Skinning time	≥ 60 min.	
Cross linking	≈ 2 mm / 24 hrs	
Coverage	see approximate coverage table	

Values taken at +23 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e.temperature, ventilation and absorbency level of the substrate and of the materials laid.

Coverage table

Linear metres of joints sealable with one 290-ml cartridge of Silmat Color

Depth	Width						
	6 mm	8 mm	10 mm	15 mm	20 mm	25 mm	30 mm
5 mm	≈ 11.6 m	≈ 7.3 m	≈ 5.8 m	–	–	–	–
8 mm	–	≈ 4.5 m	≈ 3.6 m	≈ 2.4 m	≈ 1.8 m	–	–
10 mm	–	–	≈ 2.9 m	≈ 1.9 m	≈ 1.5 m	≈ 1.2 m	–
13 mm	–	–	–	–	–	≈ 0.9 m	≈ 0.7 m
15 mm	–	–	–	–	–	–	≈ 0.6 m

If an estimated coverage value has not been given, it means the joint width/depth ratio is outside the specified limits and the joint cannot be sealed.

Silmat Color colour chart

KK 2	
KK 6	
KK 8	
KK 12	
KK 26	
KK 27	
KK 29	
KK 55	
KK 47	
KK 50	
KK 64	
KK 66	
KK 68	
KK 69	
KK 71	
KK 76	
KK 79	
KK 81	
KK 83	
KK 86	
KK 88	
KK 151	
KK 92	
KK 101	
KK 102	
KK 154	
KK 103	
KK 107	
KK 109	
KK 110	
KK 157	
KK 158	
KK 152	
KK 155	
KK 129	
KK 130	
KK 156	

Shades shown are purely indicative.

Performance		
VOC Indoor Air Quality (IAQ) - Volatile organic compound emissions		
Conformity	EC 1 GEV-Emicode	GEV certified 17097/11.01.02
HIGH-TECH		
Shore A Hardness	20-30	ISO 868
Elastic modulus	≈ 0.30 N/mm²	ISO 8339
Ultimate elongation (%)	≥ 500	ISO 8339
Resistance to atmospheric agents	Excellent	
Resistance to ageing	Excellent	
Resistance to UV rays	Excellent	ISO 4892
Working temperature	from -40 °C to +80 °C	
Classification EN 15651-1	F-EXT-INT-CC	
Classification EN 15651-3	S	
Classification EN 15651-4	PW-EXT-INT-CC	

Values taken at +23 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e.temperature, ventilation and absorbency level of the substrate and of the materials laid.

Warning

→ Abide by any standards and national regulations
→ use at temperatures between +5 °C and +40 °C
→ do not use in completely enclosed areas, as the product requires atmospheric humidity in order to polymerise effectively
→ make sure the width and depth of the joint are the right size
→ protect the edges of the joint with masking tape which should be removed and the joint cleaned before the product hardens
→ Silmat Color does not contain hazardous substances; in any case, use the product in well-ventilated environments and avoid contact with skin and eyes
→ if necessary, ask for the safety data sheet
→ for any other issues, please contact the Kerakoll Worldwide Global Service +39 0536 811 516

Kerakoll Quality System ISO 9001 CERTIFIED IT10/0327
Kerakoll Quality System ISO 45001 CERTIFIED 18586-I

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