Silicone Color

Decorative sealant for ceramics, mosaics and swimming pools.

Silicone Color develops a high degree of adhesion to non-absorbent surfaces, guaranteeing the integrity and watertightness of ceramic and porcelain coverings subject to deformation.

Rating 3

GREENBUILDING RATING
REF. GBR DATA REPORT 12.23
APPROVED

- × Regional Mineral ≥ 30%
- ✓ VOC Low Emission
- × Solvent ≤ 5 g/kg
- ✓ Low Ecological Impact
- ✓ Health Care

1. Suitable for porcelain and ceramic tiles, low thickness slabs
2. Suitable for swimming pools and for permanent contact with water
3. Resistant to chemical substances
4. Resistant to ageing, UV light and frost
5. Suitable for damp environments
6. High chromatic stability
7. Available in 50 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
- metal doors and windows
- glass and fibreglass

→ Intended use:
For internal and external use, including environments subject to freezing, on fractionizing, expansion and connection joints of coverings on balconies, terraces, internal floors and swimming pools.

Do not use on natural stone, cement-based substrates, rubber, plastic and bituminous components or materials that weep oils, solvents and plasticizers. It is recommended that a test be carried out before application on sensitive metal surfaces such as copper, silver and relevant alloys. In the realisation of joints subject to abrasion. To create concrete facades.

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 cover the edges with protective masking using normal adhesive tape. The use of Keragrip Eco Pulep on metal surfaces optimises the cleanliness of the surface and the adhesion of the product to it.

→ Preparation
Silicone 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 silicone 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.
For long-lasting 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 polyethylene foam sub-joint layer to adapt depth and prevent adhesion to the surface.

→ Cleaning
Residual traces of sealant can be removed with common solvents. Once hardened, Silicone 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.
→ Silicone Color is non-paintable.

Certificates and marks

EN 15651-1 EN 15651-2 EN 15651-3 EN 15651-4

GEV-EMICODE EC 1 VERY LOW EMISSION

eco Base

FDES VÉRIFIÉE inies

M1 EMISSION CLASS FOR BUILDING MATERIALS

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-deformation joints will be carried out with an eco-friendly, silicone, acetic, organic sealant with a high level of elasticity, GreenBuilding Rating 3, CE-marked and compliant with the performance requirements indicated in Standard EN 15651, part 1, 2, 3 and 4, such as Silicone 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, to be inserted at a depth of between 2/3 of the joint width and its entire width. One cartridge will cover ≈ 3 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	≈ 1.03 kg/dm³	
Chemical nature	acetoxy cross-linked silicone sealant	
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	310 ml cartridge	
Maximum movement allowed	≤ 25%	ISO 11600
Joint minimum width	≥ 6 mm	
Joint max width	≤ 25 mm	
W/D ratio sealing cross-section	> 1 / < 2	
Temperature range for application	from +5 °C to +40 °C	
Skinning time	≥ 20 min.	
Cross linking	≈ 2 mm / 24 hrs	
Shrinkage	≤ 15%	ISO 10563
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 310 ml cartridge of Silicone Color

Depth	Width				
	6 mm	8 mm	10 mm	15 mm	20 mm
5 mm	≈ 10.4 m	≈ 8 m	≈ 6.2 m	–	–
7 mm	–	≈ 5.6 m	≈ 4.4 m	≈ 3 m	–
10 mm	–	–	≈ 3 m	≈ 2.1 m	≈ 1.6 m
15 mm	–	–	–	≈ 1.4 m	≈ 1.1 m
20 mm	–	–	–	≈ 1.1 m	≈ 0.8 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.

Silicone Color colour chart

KK 1	
KK 2	
KK 4	
KK 6	
KK 8	
KK 10	
KK 12	
KK 26	
KK 27	
KK 29	
KK 30	
KK 55	
KK 47	
KK 50	
KK 64	
KK 66	
KK 68	
KK 69	
KK 71	
KK 72	
KK 76	
KK 79	
KK 81	
KK 83	
KK 86	
KK 88	
KK 89	
KK 151	
KK 92	
KK 93	
KK 94	
KK 101	
KK 102	
KK 154	
KK 103	
KK 107	
KK 109	
KK 110	
KK 157	
KK 158	
KK 153	
KK 152	
KK 155	
KK 114	
KK 126	
KK 129	
KK 130	
KK 156	
KK 136	
KK 147	

The shades shown are intended as an indication only.

Performance		
VOC Indoor Air Quality (IAQ) - Volatile organic compound emissions		
Conformity	EC 1 GEV-Emicode	GEV certified 9346/11.01.02
HIGH-TECH		
Shore A Hardness	18	ISO 868
Elastic modulus	≈ 0.38 N/mm²	ISO 8339
Ultimate elongation (%)	250	ISO 8339
Resistance to atmospheric agents	Excellent	
Resistance to ageing	Excellent	
Resistance to UV rays	Excellent	ISO 4892
Working temperature	from -40 °C to +100 °C	
Classification EN 15651-1	F-EXT-INT-CC	
Classification EN 15651-2	G-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

→ Product for professional use
→ abide by any standards and national regulations
→ use at temperatures between +5 °C and +40 °C
→ when Silicone Color is used on absorbent substrates such as ceramic, marble, granite and other natural stone coverings, a rim may be left around the edge of the joint. Test prior to application
→ uncured Silicone Color releases acetic acid which irritates the eyes and skin. Rinse thoroughly with water in case of contact
→ if necessary, ask for the safety data sheet
→ for any other issues, contact the Kerakoll Worldwide Global Service +39 0536 811 516 - globalservice@kerakoll.com

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