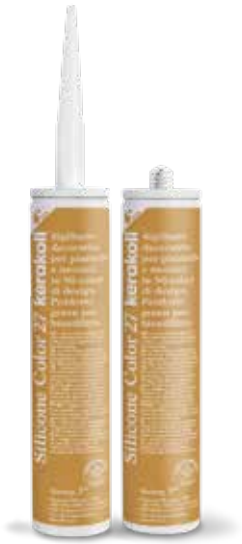
Code: P1094 2025/05 - UK/EN

Silicone Color



Decorative sealant for tiles and mosaic in 50 design colours.

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.

GREENBUILDING RATING
REF. GBR DATA REPORT 06.23
APPROVED

Rating 3

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

Rating based on average colour formulations

1. 50-colour collection, color designer Piero Lissoni
2. High chromatic stability
3. Resistant to frost
4. Ideal to seal porcelain and ceramic tiles
5. Ideal for swimming pools and for permanent contact with water
6. Limits the risk of loads that could be harmful and dangerous to the environment during storage and transportation

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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 in tile coverings on balconies, terraces, internal floors, aquariums 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. For 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.

→ 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 such as toluene or petrol. 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

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

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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 range	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 01772 456 831 - info@kerakoll.co.uk

Kerakoll Quality System ISO 9001 CERTIFIED IT22/00000581

The Rating classifications refer to the GreenBuilding Rating Manual 2012. This information was last updated in July 2023 (ref. GBR Data Report - 06.23); please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see www.kerakoll.com. KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions in your building yards and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.