

Resylsanit

silicone acetic sealant. Eco-friendly, silicone, acetic, anti-mould organic sealant with a high level of elasticity for expansion-deformation joints. Resylsanit develops a high degree of adhesion to non-absorbent surfaces, guaranteeing the integrity and watertightness of ceramic coverings subject to deformation.



Rating 4

1. Walls and floors not subject to heavy traffic, for internal and external use
2. Ideal for swimming pools and for permanent contact with water
3. Resistant to frost
4. High chromatic stability
5. Available in white and transparent
6. Suitable to seal porcelain and ceramic tiles

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

Areas of application

→ Use

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

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

Resylsanit 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. Then insert the tube of silicone into the appropriate manual or pneumatic applicator gun, start sealant extrusion and fill the joint.

→ 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:

- 1) the joint is applied so that movement will not exceed 25% of joint width
- 2) the ratio between width and sealant depth is between 1 and 2
- 3) 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 Fast Clean wipes. Once hardened, Resylsanit 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. Resylsanit is non-paintable.

Certificates and marks



* 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 with eco-friendly, silicone, acetic, anti-mould organic sealant with a high level of elasticity and GreenBuilding Rating 4, CE-marked and compliant with the performance requirements indicated in Standard EN 15651, part 1 and 3, such as Resylsanit 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	transparent or coloured thixotropic paste	
Specific weight	transparent $\approx 1.03 \text{ kg/dm}^3$ / coloured $\approx 1.15 \text{ kg/dm}^3$	
Chemical nature	acetoxy cross-linked silicone sealant	
Maximum movement allowed	$\leq 25\%$	ISO 11600
Joint minimum width	$\geq 6 \text{ mm}$	
Joint max width	$\leq 25 \text{ mm}$	
Skinning time	$\approx 20 \text{ min.}$	
W/D ratio sealing cross-section	$> 1 / < 2$	
Temperature range for application	from $+5 \text{ }^\circ\text{C}$ to $+40 \text{ }^\circ\text{C}$	
Skinning time	$\geq 20 \text{ min.}$	
Shelf life	≈ 18 months in the original packaging	
Cross linking	$\approx 2 \text{ mm} / 24 \text{ hrs}$	
Shrinkage	$\leq 15\%$	ISO 10563
Pack	300 ml cartridge	

Values taken at $+23 \text{ }^\circ\text{C}$, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e.temperature, ventilation and absorbcency level of the substrate and of the materials laid.

Performance

VOC Indoor Air Quality (IAQ) - Volatile organic compound emissions

Conformity	EC 1 GEV-Emicode	GEV certified 9212/11.01.02
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HIGH-TECH

Shore A Hardness	18	ISO 868
Elastic modulus	≈ 0,38 N/mm ²	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.

Coverage table

Linear metres of joints with seam sealable with one 300 ml cartridge of Resylsanit

Seam diameter	3 mm	4 mm	5 mm	6 mm	7 mm	8 mm	9 mm	10 mm
	42,5	24	15,3	10,6	7,8	6	4,7	3,8

The trick! In order to have a good adhesion, the seam must be pressed between the two substrates. For small diameters apply a little pressure with the gun, otherwise the sealant will leak out from the back.

Warning

- Product for professional use
- abide by any standards and national regulations
- protect from frost, avoid direct exposure to sunlight and sources of heat
- use at temperatures between +5 °C and +40 °C
- when Resylsanit is used on absorbent substrates, a rim may be left around the edge of the joint.
Test prior to application
- not suitable for natural stone, natural stones, marble, cement-based substrates
- Uncured Resylsanit 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 +33 (0) 4 72 89 06 80 - globalservice@kerakoll.com

The Rating classifications refer to the GreenBuilding Rating Manual 2013. This information was last updated in September 2023 (ref. GBR Data Report - 09.23); 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 site 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.