

# 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.



### GREENBUILDING RATING®

#### Resylsanit®

- Category: Sealants and adhesives
- Silicone acetic sealants (healthcare)



RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

### PRODUCT STRENGTHS

- Walls and floors not subject to heavy traffic, for internal and external use
- Ideal for swimming pools and for permanent contact with water
- Resistant to freezing
- High chromatic stability
- Available in white and transparent
- Suitable to seal porcelain and ceramic tiles

### AREAS OF USE

#### 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 façades.

### 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:

\* 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).

## INSTRUCTIONS FOR USE

- 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.

## 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 ≈ 1.03 kg/dm <sup>3</sup> / coloured ≈ 1.15 kg/dm <sup>3</sup>	
Chemical nature	acetoxy cross-linked silicone sealant	
Maximum movement allowed	≤ 25%	ISO 11600
Joint minimum width	≥ 6 mm	
Joint max. width	≤ 25 mm	
Skinning time	≈ 20 min.	
W/D ratio sealing cross-section	> 1 / < 2	
Temperature range for application	from +5 °C to +40 °C	
Skinning time	≥ 20 min.	
Shelf life	≈ 18 months in the original packaging	
Cross linking	≈ 2 mm / 24 h	
Shrinkage	≤ 15%	ISO 10563
Pack	300 ml cartridge	

*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.*

## PERFORMANCE

### VOC INDOOR AIR QUALITY (IAQ) - VOLATILE ORGANIC COMPOUND EMISSIONS

Conformity	EC 1 GEV-Emicode	GEV certified 9212/11.01.02
<b>HIGH-TECH</b>		
Shore A Hardness	18	ISO 868
Elastic modulus	≈ 0,38 N/mm <sup>2</sup>	ISO 8339
Ultimate elongation (%)	250	ISO 8339
Resistance to atmospheric agents	Excellent	
Resistance to ageing	Excellent	
Resistance to UV rays	Excellent	ISO 4892
Application temperature 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	

*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](mailto:globalservice@kerakoll.com)