

# LUCKY-SILICONE LC 909N

## WACKER Brand

WACKER® LC 909N is a one-component, moisture-curing, silicone sealant with excellent adhesion and very good processing properties for construction.

WACKER® LC 909N cures at room temperature in the presence of atmospheric moisture to give a permanently flexible rubber properties.



## Properties

- Non-sag
- Ready gun ability at low (4 °C) to high (40 °C) temperatures
- Tack-free and highly elastic after curing
- Non-corrosive
- Good adhesion with various materials
- Excellent weatherability
- Excellent adhesion
- Excellent durability

## Technical data

### Properties Uncured

Property	Condition	Value	Method
Density(Chalked)	23 °C	1.35 - 1.39 g/cm <sup>3</sup>	ISO 1183-1 A
Density(Non-chalked)	23 °C	0.98 - 1.02 g/cm <sup>3</sup>	ISO 1183-1 A
Consistency	-	Non-sga	ISO 7390
Skin formation time	-	max. 15 min	-

These figures are only intended as a guide and should not be used in preparing specifications.

### Properties Cured

Property	Condition	Value	Method
Movement capability	-	± 20.0 %	ISO 11600
Elongation at break	-	200 - 300 %	ASTM D 412
Hardness Shore A	-	20.0 - 25.0	ISO 868
Tensile strength	-	0.8 - 1.5 N/mm <sup>2</sup>	ISO 37 - S2 (2 mm film)

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All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

## Applications

- Exterior Applications
- General Purpose & Sanitary Applications
- Interior Applications
- Sealants
- Silicone Sealants WACKER Brand

## Application details

### Application

- Sealant for internal connection
- Suitable glazing applications

### Processing

- Preparation - The substrate areas that will be in contact with the sealant must be clean. For application
- Masking - To avoid contamination and damage attach a masking tape on the side of work area.
- Sealing & Tooling - Fully fill in cross point or side edge point of the joint without empty space without bubbles.
- Curing - Protect from dust and pollutant to have qualified surface and avoid being damaged on the surface of sealant while curing.

### Certification

- WACKER® LC 909 is classified according to KS F 4910 G-30SHM.(Chalked)

### Adhesion

WACKER® LC 909 exhibits excellent primeless adhesion to most non-porous siliceous materials (e.g. glass, tiles, ceramics, enamel, glazed tiles); metals (e.g. aluminum, steel, zinc or copper); impregnated, varnished or painted wood; and some plastics.

Users must carry out own tests due to the great variety of substrates.

The adhesion can be improved in many cases by pretreatment of the substrate with a primer.

### Restrictions on use

It is the user's responsibility to test the compatibility of the sealant with the adjoining materials. Incompatible substances like coating materials (paints, varnishes, and glazes) or organic plasticizer containing rubbers (EPDM, butyl and neoprene) can lead to discoloration or other impairments like loss of adhesion of the sealant. Materials in direct contact with the applied sealant like cleaning agents and materials in indirect contact like gaseous emissions can damage the sealant in its function or change its appearance. Because of the multitude of these materials, Wacker cannot make a general statement to the compatibility of materials with the sealant. In case of doubt the user shall conduct appropriate preliminary tests.

WACKER® LC 909 must not be used for insulating glass applications.

WACKER® LC 909 should not be used in contact with metals such as lead, copper, brass or zinc due to corrosion.

WACKER® LC 909 may be discolored in contact with some WACKER® LC 909, e.g. EPDM, APTK and neoprene.

WACKER® LC 909 should not be used for sealing of aquaria.

WACKER® LC 909 is not recommended for use on natural stone, such as marble, granite, quartzite, as it can cause staining.

WACKER® LC 909 is not recommended for structural glazing bonding.

WACKER® LC 909 is not recommended for sealing of aquaria or for longer-term use under water.

WACKER® LC 909 is not suitable for food grade applications where the joints are likely to come in contact with food.

WACKER® LC 909 is not suitable for use as a mirror adhesive.

The use of tooling agents should be avoided if possible. Otherwise, water or a diluted solution of a little neutral soap or alcohol in water should be sparingly applied.

## Packaging and storage

### Packaging

- Cartridge: 300ml (25ea/1box), Shelf life is 12 months from production date
- Drum: 195kg(non chalked), Shelf life is 24 months from production date
- Drum: 270kg(chalked), Shelf life is 24 months from production date
- Oversea version is 10 months.(GPN,GN)

### Storage

The 'Best use before end' date of each batch is shown on the product label. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

- Should use before the expire day.
- Avoid sun light, dry and cool at 5~30°C is recommended.

## Safety notes

- During vulcanization methylethylketoxime is released. These vapors should not be inhaled for long periods or in high concentration.
- Hence, good ventilation of the work place is necessary. Should uncured silicone rubber come into contact with eyes or mucous membranes, the affected area must be rinsed thoroughly with water as irritation will otherwise be caused.
- Cured silicone rubber, however, can be handled without any risk to health.
- Keep away from children.
- Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via Wacker web site

## QR Code LUCKY-SILICONE LC 909N



**For technical, quality or product safety questions, please contact:**

**Wacker Chemie AG**, Hanns-Seidel-Platz 4, 81737 Munich, Germany  
productinformation@wacker.com, www.wacker.com

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