

WACKER® 138

WACKER Brand

WACKER®138 is a one-part, acid-curing, high-modulus silicone sealant for glazing and industrial applications.

WACKER®138 cures at room temperature under the action of atmospheric moisture to give a permanently flexible silicone rubber.

Properties

- Non-sag
- Ready gunnability at low (+5°C) and high (+40°C) temperatures
- Low shrinkage during vulcanization
- Flexible at low (-40°C) and high temperatures (+180°C)
- Rapid curing, quick skin forming and tack-free time
- Long shelf life
- Solvent-free
- High modulus
- Excellent adhesion with glass, vitrified surfaces, ceramic tiles, many plastics and most paints

Technical data

Properties Uncured

Property	Condition	Value	Method
Density	-	1.01 g/cm ³	ISO 1183-1 A
Consistency	-	Non-sag	ISO 7390, profile U 20
Extrusion rate - volume flow	-	270 ml/min	internal method
Skin formation time ⁽¹⁾	-	8 min	internal method

¹at 23°C / 50 % r.h.

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

Properties Cured

Cure conditions: 5 min / 165 °C in press

Property	Condition	Value	Method
Modulus at 100 % elongation	-	0.5 N/mm ²	ISO 8339-A
Elongation at break	-	260 %	ISO 8339-A
Hardness Shore A	-	23	ISO 868
Tensile strength	-	1.0 N/mm ²	ISO 8339-A

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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

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

Application details

Application

- Glass and windows construction
- Sealing of joints between glazing and supporting structure (frame, transoms, mullions)

Restrictions on use

WACKER® 138 should not be used on substrates such as marble, concrete, fibrous cement and mortar, as the product releases acetic acid during vulcanization.

WACKER® 138 should not be used in contact with metals such as lead, copper, brass, or zinc due to corrosion.

WACKER® 138 may be discolored in contact with some organic elastomers, e.g., EPDM, APTK and neoprene.

WACKER® 138 is not recommended for sealing of aquaria, please use our ELASTOSILÒ 121.

WACKER® 138 is not recommended for use on natural stone, such as marble, granite, quartzite, as it can cause staining.

WACKER® 138 is not recommended for structural glazing bonding.

Preparation

The substrate areas that will be in contact with the sealant must be clean, dry and free of all loose material, dust, dirt, rust, oil and other contaminants. Non-porous substrates should be cleaned with a solvent and a clean, lint-free, cotton cloth. Wipe dry immediately with another such cloth before the solvent evaporates from the surface.

Adhesion

WACKER® 138 exhibits excellent primerless adhesion to most non-porous siliceous material, e.g., glass, tiles, ceramics, enamel, glazed tiles and clinker; impregnated, varnished or painted wood; and some plastics.

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

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

Packaging and storage

Packaging

WACKER®138 is usually supplied in standard size cartridges that fit all standard caulking guns.

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.

Safety notes

During vulcanization acetic acid 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.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets.

They are available from Wacker subsidiaries.

QR Code WACKER® 138



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

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