

# WACKER® 130 - GLASS AND GLAZING

## WACKER Brand

WACKER® 130 - GLASS AND GLAZING is a one-component, acid-curing, low modulus silicone sealant with outstanding adhesion on glass and aluminium, long shelf life and very good processing properties for glazing and window sealing applications.

WACKER® 130 - GLASS AND GLAZING cures at room temperature under the action of atmospheric moisture to give a permanently flexible silicone rubber.

## Properties

- Adheres excellently to glass and aluminum
- Long shelf life
- Non-sag
- Excellent tooling characteristics for professional use
- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Rapid crosslinking: quickly becomes tack-free and crack resistant
- Flexible at low (- 40 °C) and high temperatures (+ 160 °C) after curing
- Solvent free

## Technical data

### Properties Uncured

Property	Condition	Value	Method
Consistency	-	non-sag	ISO 7390, profile U 20
Density	23 °C   1013 hPa	1.0 g/cm <sup>3</sup>	ISO 1183-1 A
Extrusion rate - mass flow	6 bar	250 - 850 g/min	-
Skin formation time <sup>(1)</sup>	-	20 min	internal method

<sup>1</sup>at 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
Movement capability	-	25.0 %	ISO 11600 / EN 15651
Movement capability	-	35 %	ASTM C920
Modulus at 100 % elongation (S2-dumbbell)	-	0.35 N/mm <sup>2</sup>	ISO 37
Modulus at 100 % elongation (joint)	100.0 %	0.38 N/mm <sup>2</sup>	ISO 8339-A
Hardness Shore A	-	18	ISO 868
Tensile strength <sup>(1)</sup>	-	0.60 N/mm <sup>2</sup>	ISO 8339-A
Tensile strength <sup>(2)</sup>	-	1.8 N/mm <sup>2</sup>	ISO 37
Ultimate elongation (S2-dumbbell)	-	550 %	ISO 37
Ultimate elongation (joint)	-	200 %	ISO 8339-A

<sup>1</sup>(joint)

<sup>2</sup>(S2-dumbbell)

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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

- Interior Applications
- Sealants
- Silicone Sealants WACKER Brand

## Application details

### Application fields

- Glass and windows construction
- Sealing of joints between glazing and supporting structure (frame, transoms, mullions)
- Industrial application as sealant in the automotive, aircraft and shipbuilding industries

### Processing

Sealant must be clean, dry and free of all loose material such as dust, dirt, rust, oil and other contaminants. Non-porous substrates should be cleaned with a solvent and a clean, lint-free, cotton cloth. Remove residual solvent before it evaporates with a fresh clean, dry cloth.

### Certification

WACKER® 130 - GLASS AND GLAZING is certified and classified in accordance

- ISO 11600 G - Class 25 LM
- EN 15651-1 - Class 25 LM F-INT-EXT-CC
- EN 15651-2 - Class 25 LM G-CC
- DIN 18545-2 - Class E
- ASTM C 920 - Type S, Grade NS, Class 35
- EMICODE EC-1 PLUS

### Adhesion

WACKER® 130 - GLASS AND GLAZING exhibits excellent primerless adhesion to most non-porous siliceous substrates, e. g. glass, tiles, ceramics, enamel, glazed tiles, clinker and selected plastics as well as lacquered, glazed or impregnated wood.

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. If adhesion difficulties arise please contact our technical service.

### Restrictions in use

WACKER® 130 - GLASS AND GLAZING should not be used on substrates such as marble, concrete, fibrous cement and mortar, as the product releases acetic acid during vulcanization.

WACKER® 130 - GLASS AND GLAZING should not be used in contact with metals such as lead, copper, brass or zinc due to corrosion. WACKER® 130 - GLASS AND GLAZING may be discolored in contact with some organic elastomers, e.g. EPDM, APTK and neoprene. WACKER® 130 - GLASS AND GLAZING is not recommended for sealing of aquaria, please use our ELASTOSIL® 4300.

WACKER® 130 - GLASS AND GLAZING is not recommended for use on natural stone, such as marble, granite, quartzite, as it can cause staining. WACKER® 130 - GLASS AND GLAZING is not recommended for structural glazing bonding

## Packaging and storage

### Packaging

WACKER® 130 - GLASS & GLAZING 7 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

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 <http://www.wacker.com>.

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.

Additional information

WACKER® 130 - GLASS & GLAZING 7 meets following specifications:

- EN15651-1:2012-F-EXT-INT-CC
- EN15651-2: 2012 - G-CC
- EN15651-4: 2012 - PW-EXT-ING-CC
- ASTM C 920, Class 25
- ISO 11600-G, Class 25 LM

## QR Code WACKER® 130 - GLASS AND GLAZING



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

**Wacker Chemie AG**, Hanns-Seidel-Platz 4, 81737 Munich, Germany  
[productinformation@wacker.com](mailto:productinformation@wacker.com), [www.wacker.com](http://www.wacker.com)

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