

WACKER® 131 - HMA GENERAL GLAZING

WACKER Brand

WACKER® 131 is a one-part, acid-curing, high-modulus silicone sealant for glazing and industrial applications. WACKER® 131 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 crosslinking: quickly becomes tack-free
- Long shelf life
- Solvent-free
- High modulus
- Excellent tooling properties
- Adheres excellently to 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	-	350 ml/min	internal method
Skin formation time ⁽¹⁾	-	15 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

Property	Condition	Value	Method
Modulus at 100 % elongation	-	0.53 N/mm ²	ISO 8339-A
Elongation at break	-	110 %	ISO 8339-A
Hardness Shore A	-	30	ISO 868
Tensile strength	-	0.55 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

- Exterior Applications
- Interior Applications
- 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® 131 should not be used on substrates such as marble, concrete, fibrous cement and mortar, as the product releases acetic acid during vulcanization.

WACKER® 131 should not be used in contact with metals such as lead, copper, brass or zinc due to corrosion.

WACKER® 131 may be discolored in contact with some organic elastomers, e.g. EPDM, APTK and neoprene.

WACKER® 131 is not recommended for sealing of aquaria, please use our ELASTOSIL® 4300.

WACKER® 131 is not recommended for use on natural stone, such as marble, granite, quartzite, as it can cause staining.

WACKER® 131 is not recommended for structural glazing bonding.

Adhesion

WACKER® 131 exhibits good primerless adhesion to wet alkaline substrates and to some metals.

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.

Processing

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. Remove residual solvent before it evaporates with a fresh clean, dry cloth.

Processing

Packaging and storage

Packaging

WACKER®131 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

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 on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code WACKER® 131 - HMA GENERAL GLAZING



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

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The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.