

WACKER[®] OS - OXIME SEALANT

Standard Colors (1)

WACKER Brand

WACKER[®] OS is a one-part, neutral-curing silicone sealant with good adhesion for the construction and glazing industry. WACKER[®] OS 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
- Flexible at low (-40°C) and high temperatures (+100°C)
- Low shrinkage during vulcanization
- Good weatherability
- Good tooling characteristics

Technical data

Properties Uncured

Property	Condition	Value	Method
Density	-	1.45 g/cm ³	ISO 1183-1 A
Consistency	-	non-sag	ISO 7390, profile U 20
Extrusion rate - volume flow	-	250 ml/min	internal method
Skin formation time ⁽¹⁾	-	15 min	internal method

¹ 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	-	0.48 N/mm ²	ISO 8339-A
Elongation at break	-	280 %	ISO 8339-A
Hardness Shore A	-	30	ISO 868
Tensile strength	-	0.5 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
- Sealants
- Silicone Sealants
- Silicone Sealants WACKER Brand

Application details

Application

- Sealing of joints between glazing and supporting structure (frame, transoms, mullions)
- Sealing of connecting and expansion joints in the building industry
- DIY applications (car, boat, caravan, house)

Restrictions on use

WACKER® OS may be discolored in contact with some organic elastomers, e.g. EPDM, APTK and neoprene.
WACKER® OS is not recommended for use on natural stone, such as marble, granite, quartzite, as it can cause staining.
WACKER® OS is not recommended for sealing of aquaria.
WACKER® OS is not recommended for structural glazing bonding.

The curing time can be extended at lower temperature, lower humidity or by low volume of air change.

Adhesion

WACKER® OS exhibits excellent primerless adhesion to many substrates, e.g. glass, tiles, ceramics, enamel, glazed tiles and clinker; metals, e.g. aluminum, steel, zinc or copper; impregnated, varnished or painted wood, and many 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. 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. Wipe dry immediately with another such cloth before the solvent evaporates from the surface.

Packaging and storage

Packaging

WACKER® OS 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 methylethylketoxime is released. These vapours 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 on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code WACKER® OS - OXIME SEALANT Standard Colors (1)



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

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