

# WACKER® GENERAL PURPOSE

Silicone Sealant for Do-It-Yourself Applications

## Characteristics

One-component, acid-curing, silicone sealant for general purpose sealing in do-it-yourself applications. WACKER® GENERAL PURPOSE cures at room temperature under the action of atmospheric moisture to give a permanently flexible silicone rubber.

## Special characteristics

- non-sag
- ready to use at low (+5°C) and high (+40°C) temperatures
- flexible at low (-50°C) and high temperatures (+150°C)
- rapid crosslinking: quickly becomes tack-free
- good adhesive strength to glass, vitrified surfaces, ceramic tiles, many plastics and most paints

## Application

- DIY applications (car, boat, caravan, house)

## Restrictions on use

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

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

WACKER® GENERAL PURPOSE should not be used in contact with prestressed polyacrylate elements as it may cause stress cracking.

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

WACKER® GENERAL PURPOSE should not be used for sealing of aquaria.

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

WACKER® GENERAL PURPOSE is not recommended for structural glazing bonding.

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

## Preparation

The substrate areas that will be in contact with the sealant must be clean, dry, 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® GENERAL PURPOSE 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 many plastics.

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

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.

## Product data

Unvulcanized rubber

| Property                              | Test procedure | Unit                 | Value      |
|---------------------------------------|----------------|----------------------|------------|
| Density at 23°C                       | ISO 1183 - 1   | [g/cm <sup>3</sup> ] | 0.98*      |
| Consistency                           | ISO 7390       |                      | non-sag    |
| Extrusion rate at 23°C                | PV 08127       | [g/min]              | 800        |
| Skin-forming time at 23°C / 50 % r.h. | PV 08112       | [min]                | approx. 25 |
| Vulcanization at 23°C / 50 % r.h.     |                | [mm/24h]             | approx. 2  |

\* transparent

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

**Product data**

Vulcanized rubber  
After 4 weeks' storage at 23 °C / 50 % r.h.

| Property                    | Test procedure   | Unit                 | Value |
|-----------------------------|------------------|----------------------|-------|
| Tensile strength            | ISO 8339         | [N/mm <sup>2</sup> ] | 0.5   |
| Ultimate elongation         | ISO 8339         | [%]                  | 150   |
| Modulus at 100 % elongation | ISO 8339         | [N/mm <sup>2</sup> ] | 0.36  |
| Hardness                    | ISO 868          | Shore A              | 18    |
| Tear strength               | ISO 34, method C | [N/mm]               | 4.0   |

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**Storage**

WACKER® GENERAL PURPOSE has a shelf life of at least 12 months when stored in a cool (below 25°C), dry place in moisture-tight original container.

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 information**

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 unvulcanized RTV-1 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 Sheet. They are available from Wacker subsidiaries.

The data presented in this leaflet 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 leaflet 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 recommendations do 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 products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

**WACKER**

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Version from 11-06-08 replaces  
Version from 19-02-08

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

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