T1000

Finished Sealants

WACKER® T1000 is one component hybrid sealant cured by reacting with moisture and has good adhesion and easy tooling.
WACKER® T1000 is a lower-modulus, paintable, neutral-cure, multi-purpose sealant.

Properties

- Solvent-free
- Isocyanate free
- Easy to process at low (+ 5 °C) and high (+ 40 °C) temperatures
- Stable at temperatures from -30 °C to +80 °C
- Tack-free and highly elastic after curing
- adheres excellently to glass, vitrified surfaces, ceramic tiles
- Non-corrosive
- Paintable

Technical data

Properties Uncured

Property	Condition	Value	Method
Density	23 °C	1.56 - 1.60 g/cm^3	ISO 1183-1 A
Consistency	-	non-sag	ISO 7390
Skin formation time	-	max. 240 min	internal method

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

Properties Cured

Cure conditions: 190°C 10min

Property	Condition	Value	Method
Movement capability	-	25 %	ISO 11600
Modulus at 100 % elongation	-	≤ 0.4	ISO 8339-A
Elongation at break	-	400 - 600 %	ISO 37 - S2 (2 mm film)
Hardness Shore A	-	20 - 30	ISO 868

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

Applications

- Sealants

Application details

Application Fields

- For sealing joints between a wide variety of materials, such as wood, metals, plastics or mineral based substrates
- For sealing constructional joints for crack-free, paintable connection joints, non-stain area repairing
- For polyurethane repairing

Processing

- Preparation - The substrate areas that will be in contact with the sealant must be clean. For application from cartridges cut thread open, fix nozzle on top
- Masking - To avoid contamination and damage attach a masking tape on the side of work area.
- Primer - Non-pored substance needs primer treatment at first.
- Sealing & Tooling - Fully fill in cross point or side edge point of the joint without empty space without bubbles.
- Curing - Protect from dust and pollutant to have qualified surface and avoid being damaged on the surface of sealant while curing

Certification

WACKER® T1000 is classified KS F 4910 F-25LM / Eco-Label certificated / ASTM C 1248.

Adhesion

WACKER® T1000 exhibits excellent primerless adhesion to most non-porous siliceous material, e.g. glass, tiles, ceramics, concrete. enamel, glazed tiles and clinker 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 on use

It is the user's responsibility to test the compatibility of the sealant with the adjoining materials. Incompatible substances like coating materials (paints, varnishes and glazes) or organic plasticizer containing rubbers (EPDM, butyl and neoprene) can lead to discoloration or other impairments like loss of adhesion of the sealant. Materials in direct contact with the applied sealant like cleaning agents and materials in indirect contact like gaseous emissions can damage the sealant in its function or change its appearance. Because of the multitude of these materials. Wacker cannot make a general statement to the compatibility of materials with the sealant. In case of doubt the user shall conduct appropriate preliminary tests.

- WACKER® T1000 must not be used for insulating glass applications.
- WACKER® T1000 should not be used in contact with metals such as lead, copper, brass or zinc due to corrosion.
- WACKER® T1000 may be discolored in contact with some WACKER® T1000, e.g. EPDM, APTK and neoprene.
- WACKER® T1000 should not be used for sealing of aquaria.
- WACKER® T1000 is not recommended for structural glazing bonding.
- WACKER® T1000 should not be used in contact with metals such as lead, copper, brass or zinc due to corrosion.
- WACKER® T1000 is not recommended for sealing of aquaria or for longer-term use under water.
- WACKER® T1000 is not suitable for food grade applications where the joints are likely to come in contact with food.
- WACKER® T1000 is not suitable for use as a mirror adhesive.

Packaging and storage

Packaging

- Cartridge: 300ml (25ea/1box), Shelf life is 9 months from production date
- Sausage: 500ml (20ea/1box), Shelf life is 12 months from production date

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.

- Should use before the expire day.
- Avoid sun light, dry and cool at 5~30°C is recommended.

Safety notes

During vulcanization alkoxy 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 sealant rubber, however, can be handled without any risk to health.
Keep away from children.
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 T1000

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

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