

Product Data Sheet



ROCKFIX Automotive Glass

One Component, RTV- Room Temperature Vulcanizing, Neutral Silicone Sealant

Uses:

- Sealing and Installation of Automotive Windshields
- Sealing and Installation of Automotive Sunroofs
- Sealing and Installation of Vinyl Tops

Product Description

ROCKFIX Automotive Glass is a one component, ready to use moisture curing RTV (room temperature vulcanizing) Neutral silicone sealant and adhesive that cures into a strong, silicone rubber that maintains long term durability and flexibility. Suitable for hot climate and forms a tough, flexible silicone rubber material that resists aging, weathering, waterproofing and will not shrink or crack.

Advantages

- RTV – Room Temperature Vulcanizing
- 100 % Silicone – Excellent Waterproof Properties
- Quick curing – non-shrink properties
- Highly – Permanent Flexible
- Multipurpose

Standard Compliance

- ASTM C920
- ASTM D1475

Technical Properties

ROCKFIX Automotive Glass	Typical Values @ Laboratory Conditions
Available colors	Black, White, Grey
Physical Appearance	Colored Thixotropic Sealant
Specific Gravity, g/ml (ASTM D 1475)	Approx. 1.5
Tack free time, min (ASTM C679)	approx. 10
Skin Over time, min (ASTM C679)	approx. 5
Depth Cure, mm	< 3.0
Hardness Shore A (ASTM D 2240-15)	55 - 60
Tensile Strength, Kg/cm ² (ASTM D 412-16)	13.5 – 16.5
Elongation, % (ASTM D 412-16)	100 - 250
Modulus at Elasticity MPa (ASTM D 1784-20)	1.85 – 2.35
Service Temperature, °C	5 to +130
Application Temperature, °C	5 to 40

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Application

Surface Preparation

The surface should be clean, dry, sound and free from oil, grease and wax contamination. Loose particles, mould, release agent or curing membranes must be removed.

Application

ROCKFIX Automotive Glass The surface should be clean, dry, oil-free and sounded using power blower.

Non-porous substrates have to be cleaned with a solvent and a clean, lint-free, cotton cloth. Wipe immediately before the solvent evaporates from the surface with suitable cloth. If skinned over, break film with a dry cloth and remove as much as possible.

Remove any remaining material with a gasket remover.

Soap or detergent and water treatments are not recommended.

Cut tip off and puncture the internal foil seal with nozzle. Cut nozzle at 45° angle to desire bead-width and apply to substrate with cartridge gun. For full mechanical properties, the sealant must be applied at temperature between +5°C and +40°C.

The glass should be assembled before the end of the skin formation time (within 10 minutes).

This product should be used within 24 hours after opening the cartridge protection cover.

Pull off the masking tape in the direction of the joint before skin forms.

LIMITATIONS

This material is not paintable. May not be suitable to join sensitive natural stones such as marble, granite or quartz, as this may cause staining.

Not to be used in contact with sensitive metals such as lead, copper, brass, zinc, carbon steel, galvanized iron or magnesium as corrosion may occur during acetic acid release/sealant cure. Substrate Compatibility test is always recommended before use.

Curing and Protection

ROCKFIX Automotive Glass forms a Skin within approx. 5 min after application and cures at a rate of approx. 3mm per 24 hrs. Tack Free condition should be reached after approx. 10min.

Cleaning

Uncured Sealant:

Excess uncured sealant should be removed carefully using a soft scraper. Removed using a cloth just moistened with white spirit or soapy water. Repeat using another clean cloth moistened with white spirit or soapy water one continuous stroke. Remove masking tape immediately after tooling is completed.

Cured Sealant:

Cut away excess cured material with a very sharp knife. Do not use solvent to remove product from skin. Soap and water should be used

Packing

ROCKFIX Automotive Glass is packed in Standard Cartridges, or 200 ltr drums.

Shelf Life & Storage

The original sealed Box **ROCKFIX Automotive Glass** has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 25°C.

Health & Safety:

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

For detailed information and advice on the safe handling, storage, and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological, and other safety-related data.

For complete Health and Safety instructions and information, please refer to STAR MSDS.

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Additional Information:

STAR manufactures a wide range of construction chemicals and specialty products for various applications divided into the following product sections:

1. **Waterproofing Products**
2. **Sealants, Grouts, and Joint Fillers**
3. **Adhesives**
4. **HVAC – Adhesives, Coatings & Sealants**
5. **Flooring Products**
6. **Industrial Adhesives (i.e. Paper Industry)**
7. **Accessories**

STAR Technology provides various technical information such as detailed method statements, specification clauses, application manuals and technical support both in contractors and consultant's offices as well as construction sites.

For further information on these products and systems kindly visit our website or contact your local STAR representative