

SODASIL RTV1

Revision: 10/20/20

Page 1 of 2

Technical Data:

| | | |
|-------------------------------|----------------------------------|--------------------------------|
| Base | Polysiloxane | |
| Sag | No sag in vertical displ. @120°F | ASTM C 639 |
| Curing system | Moisture Cure | |
| Skin Formation (*) | 5 - 10 minutes | @ 75°F & 50% relative humidity |
| Tack-free time (*) | 10 - 20 minutes | ASTM C 679 |
| Curing time (*) | 24 hrs, 1/8" diameter bead | @ 75°F & 50% relative humidity |
| Hardness – Shore A | 25 +/- 5 | ASTM C 661 |
| Tensile Yield | 350 psi | ASTM D 412 |
| Elongation | 500 % | ASTM D 412 |
| Movement capability | +/- 25% | ASTM C 719 |
| Stain and color change | Passes | ASTM C 510 (mortar) |
| Artificial weathering | No Cracking | ASTM C 793 |
| Service temperature range | -40°F to +400°F | |
| Application temperature range | -35°F to +140°F | |
| Shelf life | 12 months | Stored between 41°F & 77°F |
| VOC | 30 g/L | |

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates. Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

Product:

Soudasil RTV1 is a one-part acetoxy silicone sealant used for variety of sealing and gasketing needs.

Characteristics:

- Permanent color
- UV resistant
- Stays fully elastic after curing
- Very good adhesion on many materials
- Very easy application
- Typical acetic acid smell

Applications:

- Building and construction joints
- Glazing on aluminum frames
- Sealing cold storage rooms and containers
- Sealing in air conditioning systems
- Window and door joints

Color:

Various

Packaging:

10.1 fl. oz. cartridges

Surfaces:

Type: all usual building surfaces

State of surface: clean, dry, free of dust and grease

We recommend a preliminary compatibility test, especially on PVD and powder coated materials.

Joint Size:

Minimum width: 1/4"

Maximum width: 1 3/16"

Minimum Depth: 1/5"

Recommendation: 2 x depth = width

Application:

Method: manual or pneumatic caulking gun

Finish: soapy water before skinning

Repair With: Soudasil RTV1

Clean Up: White mineral spirit immediately after use

Remark: This information and all further technical advice are based on SODAL present knowledge and experience. However, SODAL assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, SODAL disclaims all WARRANTIES EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. SODAL SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. SODAL reserves the right to make any changes according to technological progress or further developments.

SODASIL RTV1

Revision: 10/20/20**Page 2 of 2****Shelf life:**

12 months in unopened packaging in a cool and dry storage place at temperatures between +41° F and +77° F. Storage in excessive heat and/or high humidity conditions may reduce shelf life up to 30%

Remarks:

- Not recommended for use on PC and PMMA because it can cause crazing (stress cracking) in these materials.
- Due to acidic character some metals (copper, lead) can be attacked.
- Contact between this sealant and the primary sealants of double glazed insulation windows or the PVB film of security glass should be avoided.
- Do not use as structural glazing adhesive.
- Contact with plasticizer containing plastics (e.g. flexible PVC, butyl rubber, EPDM,...) can lead to incompatibilities, such as discoloration or loss of adhesion. We recommend a preliminary compatibility test.

Meets:

ASTM C 920, Type S, Grade NS, Class 25, Use NT, A, G and O, Federal Specification TT-S-00230C.

Health- and Safety Recommendation:

DIRECT CONTACT OF UNCURED SEALANT IRRITATES EYES AND MAY IRRITATE SKIN. OVEREXPOSURE TO VAPOR MAY IRRITATE EYES, NOSE AND THROAT. KEEP OUT OF REACH OF CHILDREN. Avoid skin and eye contact. On Contact, uncured sealant could cause irritation to skin and eyes. In case of eye contact, flush eyes with warm water for 15 minutes, call a physician. For skin contact, remove sealant with a paper towel. If swallowed, do not induce vomiting, call a physician. Soudasil RTV1 is manufactured for professional use only. Refer to Safety Data Sheet (SDS) for further information.

Limited Warranty:

SODAL warrants product to be of good quality and will replace or, at our election, refund the purchase price of any products proved to be defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, SODAL MAKES NO WARRANTY OR GUARANTEE, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and SODAL shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.