

CALSIL Machinery & Equipment



ADH 11 AG2

2 Part RTV silicone adhesive sealant paste non corrosive (Alcoxy)
fast cure

1. Product Description:

CALSIL ADH 11 AG2 is a two part, non-corrosive condensation curing adhesive silicone paste specifically designed to provide fast cure and adhesion at room temperature. It features a convenient mixing ratio of 10 to 1 by volume for manual cartridge dispensing or machinery dispensing, excellent adhesion and compatibility with many sensitive substrates including copper, brass, steel, aluminum FR4, and polycarbonate making this an ideal option where fast curing and adhesion are needed.

2. Key Properties

- 10:1 volumetric ratio for machine or cartridge dispensing
- Fast curing at room temperature
- 20 minutes of working time at room temperature
- Adhesion to many substrates

3. Applications

Bonding and sealing in domestic appliances

4. Typical Properties (not for sales specifications, please contact us prior to writing sales specs)

Properties	Units	Values
Uncured Product		
Chemical characterization		2 Part Alcoxy RTV
Colour Part A		White
Colour Part B		Black
Appearance Part A		Paste
Appearance Part B		Liquid
Specific Gravity Part A		1.30
Specific Gravity Part B		1.00
Viscosity Part A	mPa.s	380000
Viscosity Part B	mPa.s	26000
Tack Free Time	minutes	20 *
Cure to handle	minutes	50 *
<i>*measured at 23+/-2°C and 65% relative humidity.</i>		
Cured Elastomer (after 7 days cure at 23+/-2°C and 45 to 55% relative humidity)		
Tensile Strength	MPa	2.00
Elongation at Break	%	232
Young Modulus	MPa	0.87
Hardness	Shore A	39
Specific Gravity		1.25
Thermal Conductivity	W/mK	0.30
Min Service Temperature	°C	- 50
Max Service Temperature	°C	200
Volume Resistivity	Ω.cm	1.1E+14

5. How to use

CALSIL ADH 11 AG2 is supplied as two components, Part A sealant and Part B accelerator packaged in a 10 to 1 ratio twin cartridge.

CALSIL ADH 11 AG2 is also suitable for machine dispensing. The dispensing machine must be set to deliver 10 parts of A and 1 part of B by VOLUME, through a static mixing nozzle and then applied to the application. IMPORTANT: the mixed components will cure in the nozzle so to preserve nozzles a continuous process is required or a change of nozzle after the task is completed. A nozzle of at least 9 GXF is recommended for uniform mixing of both components. Dispensing by weight requires 13 parts of A and 1 parts of B.

Ensure the surface is clean and dry before applying the **CALSIL ADH 11 AG2** package.

Complete mixing of each component is achieved within the first 50-60% of the nozzle. The extruded sealant should be applied to the substrate immediately and tooled within 20 minute.

6. Safety Handling Information

Product Information relative to security, physical and health hazards are in the Material Safety Data Sheet (MSDS) supplied with the product or upon request.

7. Storage and Shelf Life

Expected to be 12 months in original, unopened containers below 30 °C.

8. Packaging

265 ml 10 to 1 twin cartridges,

9. Restrictions

This ingredient is solely proposed in industrial applications. It is not suitable to be used in cosmetic, medical, human injection, pharmaceutical or food applications.

10. Limited Warranty PLEASE READ CAREFULLY

The information herein is offered in good faith. It is believed to be accurate at the time of shipment.

It should not be used as a substitute for the customer's test, the customer bears the responsibility to ensure that the product matches the intended application is safe and achieves the desired benefits.

The product warranty is limited to the refund value of the purchase or the replacement only when it demonstrated that the product is out of the agreed sales specifications.

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For more information, please contact our nearest office

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