Technical Data Sheet

CALSIL
Machinery & Equipment

ADH 3 TAW
1 Part high temperature thixotropic adhesive sealant

1. Product Description:

CALSIL ADH 3 TAW is a ready-to-use adhesive sealant, which reacts with atmospheric moisture to form a resilient rubber, which remains flexible over a very wide temperature range.
CALSIL ADH 3 TAW liberates a very small amount of acetic acid during cure which gives rise to the familiar ñvinegaròodour, which quickly dissipates after cure.

2. Key Properties

- Flexibiltiy from - 60 to +300°C
- Resistant to solvents and chemicals
- Good electrical insulation properties
- Excellent bonding to a wide range of substrates

3. Applications

CALSIL ADH 3 TAW is an excellent multi-purpose adhesive for applications such as form-in-place gaskets for junction box convers, ashering appliance trim and sealing appliance parts, letters and signs, sealing joints in ductwork, truck trailers, cabs, marine portholes and cabins. Itôs an excellent adhesives for general industrial sealant or bond. **CALSIL ADH 3 TAW** develops a tack free surface in approximately 15 minutes and cure within 24 hours.

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

Properties	Units	Values
Uncured Product		
Chemical characterization		1 Part Acetoxy RTV
Colour		White
Appearance		Paste
Specific Gravity		1.08
Extrusion Rate	Gr./minutes	225
Tack Free Time	minutes	2 *
3mm Cure Through	hours	7 *
		**measured at 23+/-2°C and 65% relative humidity.*
Cured Elastomer (after 7 days cure at 23+/-2°C and 65% relative humidity)		
Tensile Strength	MPa	2.31
Elongation at Break	%	240
Young Modulus	MPa	0.75
Modulus at 100 % Strain	MPa	1.00
Tear Strength	KN/m	6.10
Hardness	Shore A	40
Thermal Conductivity	W/mK	0.20
Min Service Temperature	°C	- 60
Max Service Temperature	°C	300

Electrical Properties		
Volume Resistivity	q .cm	3.21E+15
Surface Resistivity	q .cm	3.46E+14
Dielectric Constant at 1 MHz		3.60
Dissipation Factor at 1 MHz		0.8E-3

5. How to use

All surfaces to which the adhesive is to be applied should be clean, dry and free from grease, dirt, and loose material. Priming of surfaces is not normally required.
If being employed as an adhesive, it should be applied to one clean surface and the other clean surface brought into contact with it within 5 minutes.
For optimum bond strength the thickness of the sealant joint is 1 to 2mm.
Joints should be left undisturbed for at least 24 hours, but preferably longer to effect sufficient depth of cure.
Full cure requires 7 days.
For pneumatic dispensing of 310 ml cartridges, the recommended pressure is 2.25 to 3.45 bar (40 to 50 psi).

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 24 months in original, unopened containers below 40 °C.

8. Packaging

310 ml cartridges and 20 L pails.

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 customerÕs 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.

For more information, please contact our nearest office

calsil@caldic.com
www.calsilsilicones.com