

Technical Data Sheet

ADSIL™ Premium

Features & Benefits

- One-part, Acetoxy cure RTV silicone sealant
- Good bonding with substrates including many plastics
 - Non-sag paste cures into rubber with much longer life
 - Good resistance to weathering, vibration, moisture, ozone and extreme temperature
 - Sustained flexibility at temperature from -60°C to +180°C, with short peak up to +205°C
 - Black Version: Stable and flexible from -60° to +205°C, with short peak up to +230°C
 - Excellent dielectric properties
 - Bonds to many common substrates

Composition

- One-part silicone rubber, non-slumping paste

Applications

- General industrial sealing and bonding applications including Appliances, Heavy equipment, Marine equipment and Recreational vehicles

Colour

- Clear, White, Black & Grey

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test ¹	Property ²	Unit	Result
Uncured – As Tested at 50% RH and 25°C			
ASTM D2202	Flow (sag or slump)	mm	0
CTM 0098	Tack-free Time, 25°C, 50% RH	Minutes	Max20
	Full Adhesion	days	7–14
CTM 0364	Extrusion Rate	g/minute	200-500
ASTM D 1475	Specific Gravity	g/ml	0.98-1.02
As Cured – After 7 days at 50% RH and 25°C			
ASTM D 2240	Shore A Hardness	points	15-25
ASTM C 412	Tensile Strength	Mpa	≥0.8
ASTM C 412	Elongation	percent	≥400

Volume coefficient of thermal expansion	1/K	1.2X10 ³
Electrical properties,cured 7 days in air at 25°C(77°F) and 50% relative humidity		
Dielectric strength	kV/mm	21.6
Dielectric factor at 100Hz/100kHz		0.0015
Dielectric Constant at 100Hz/100kH		2.8
Volume Resistivity	Ohm.cm	1.5X10 ¹⁵

1. ASTM – American Society for Testing and Material
2. CTM-Corporate Test Method

Description

ADSIL Premium RTV Silicone Sealant is a Non-sag paste,cures at room temperature when exposed to moisture in the air. acetoxycure silicone sealant suitable for

- AC duct sealing
- Ceramic tiles bonding in boilers,hot gas exhaust ductings,etc in power plants
- Industrial appliances including washing machines, refrigerators, Microwave ovens etc.

How To Use

Preparation

- Clean all joint surfaces. Surfaces must be clean, dry and sound. Remove loose debris and/or old sealant. General recommendations are: For non-porous surfaces: Solvent wipe the joint surfaces using a non-oily solvent such as methyl ethyl ketone, white sprits or mineral turpentine on a clean white lint-free cloth to remove any oils and contaminants. Immediately wipe with a second dry cloth to remove any traces of solvent and contamination

Application Method

- Apply ADSIL Premium to one of the prepared surfaces, then quickly cover with the other substrate to be bonded
- On exposure to moisture, the freshly applied material will skin-over .Any tooling should be completed before this skin forms. The surface is easily tooled with a spatula.

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

Usable Life And Storage

When stored at or below 30°C (86°F) in the original unopened containers, ADSIL Premium has a usable life of 12 months from the date of manufacture.

Packaging Information

This product is available in 300ml Cartridges.

For more information visit our website-www.adarshachemicals.com

ADARSHA

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