

Technical Data Sheet

ADSIL™ Structural Glazing

Odorless, on-corrosive cure system suited for structural bonding and protective glazing applications

Features

- Excellent weather ability and high resistance to ultraviolet radiation, heat and humidity, ozone and temperature extremes
- Excellent mechanical properties
- Successfully tested for use in protective glazing applications
- Cures to form extremely tough elastomeric rubber ensuring a durable, flexible,waterlight bond

Composition

- One-part ,neutral-cure silicone sealant

Applications

- Silicone structural glazing and protective glazing applications

Colour

- Black

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	80-170
ASTM D 1475	Specific Gravity	g/ml	≥1.33
As Cured – After 7 days at 50% RH and 25°C			
ASTM D 2240	Shore A Hardness	points	30-40
ASTM C 412	Tensile Strength	Mpa	≥1.20
ASTM C 412	Elongation	percent	≥400

1. ASTM – American Society for Testing and Material

2. CTM-Corporate Test Method

Description

ADSIL Structural Glazing RTV Silicone Sealant is a one-part neutral cure silicone sealant designed for structural bonding of glass to aluminum structures, composites and many other panel materials bonding.

The rate of surface cure and cure-in depth of most of one-part silicone sealant is affected by temperature and humidity of the environment. However, an environment of high temperature in combination with high humidity may slow the surface cure rate

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

- Install backing material or joint filler, setting blocks, spacer shims and tapes. Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required on non-porous surfaces, but maybe necessary for optimal sealant of certain porous surfaces. A test placement is always recommended. Apply ADSIL Structural Glazing in a continuous operation using a positive pressure. (The sealant can be applied using many types of air-operated guns and most types of bulk dispensing equipment.) Before a skin forms, tool the sealant with light pressure to spread the sealant against backing material and the joint surfaces. Remove masking tape as soon as the bead is tooled.

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 Structural Glazing has a usable life of 12 months from the date of manufacture.

Packaging Information

This product is available in 300ml Catridges,270KG Drum & 600ml Sausage

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

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