



Technical Data Sheet

DOWSIL™ 832 Multi-Surface Adhesive Sealant

100% silicone, engineered for assembly and maintenance applications

Features & Benefits

- 100 percent silicone RTV rubber
- Superior unprimed adhesion to a wide variety of surfaces, including glass, metal, masonry, concrete, most rubber and plastics, including ABS, PVC and polycarbonate
- Low odor
- Neutral (alcohol) cure
- Will not corrode metal or other corrosion-sensitive materials
- Use temperatures: -67 to 300°F (-55 to 149°C); intermittent to 350°F (177°C)
- Forms flexible, long-lasting seal
- Available in off-white, black and gray

Applications

DOWSIL™ 832 Multi-Surface Adhesive Sealant is used for bonding, sealing and assembly where superior unprimed adhesion or noncorrosive sealant is required. Typical applications include sealing and repairing roof penetrations, gutters, concrete floor seams, marine equipment and windows, pipes, threaded connections, and assembling original equipment components.

Typical Properties

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

Test ¹	Property	Unit	Result
As Supplied²			
	Consistency		Nonslumping paste
	Corrosion properties		Noncorrosive
CTM 0364	Extrusion rate, 1/8 - inch nozzle at 90 psi	grams/minute	133
CTM 0098	Skin-over time	minutes	20
CTM 0095	Tack-free time	minutes	50–90
CTM 0022	Specific gravity at 77°F (25°C)		1.33
As Cured³			
	Color		Off-white, black, gray

1. CTMs (Corporate Test Methods) correspond to standard ASTM tests in most instances. Copies of CTMs are available upon request.
2. All cure conditions are 77°F (25°C) and 50 percent RH.
3. After 7 day cure at 77°F (25°C) and 50 percent RH.

Typical Properties (Cont.)

Test	Property	Unit	Result
CTM 0293	Peel Strength	ppi	
	ABS		> 35
	Acrylic, primed		> 30
	Polycarbonate, primed		> 35
	Polycarbonate, unprimed		> 35
	Phenolic G-10		> 30
	Polystyrene		> 20
	PVC		> 30
	Aluminum, anodized		> 30
	Aluminum, milled		> 35
	Brass		> 30
	Steel, carbon		> 35
	Steel, galvanized		> 30
	Steel, milled		> 25
	Steel, stainless		> 30
	Wrought iron		> 30
	Copper		> 35
	Glass		> 30
	Neoprene		> 25
	Silicone rubber		> 30
CTM 0099	Durometer hardness, Shore A		35
CTM 0137A	Tensile strength	psi	350
CTM 0137A	Elongation	percent	420

Description

DOWSIL 832 Multi-Surface Adhesive Sealant is a one-component, ready-to-use, noncorrosive silicone material that seals, bonds and protects. Engineered for use as an all-purpose assembly and maintenance sealant, DOWSIL 832 Multi-Surface Adhesive Sealant bonds to many surfaces and offers superior adhesion to glass, metal, masonry, concrete, rubbers and plastics.

How To Use

Apply to clean, dry, frost-free surfaces. Typically, no primer is necessary; however, for best adhesion to concrete, use a primer such as DOWSIL™ 1205 PR-Prime Coat. DOWSIL 832 Multi-Surface Adhesive Sealant will dry to the touch in 20 minutes.

Limitations

- Not intended for food-contact applications
- Requires atmospheric moisture to cure
- Not for use in submerged structural or adhesive applications
- Not designed for high-movement joints
- Not for application to oily or dirty surfaces
- Most paints will not adhere to sealant

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Useable Life And Storage

When stored at or below 90°F (32°C), DOWSIL 832 Multi-Surface Adhesive Sealant has a useable life of 18 months from date of manufacture. For best results, use completely within 6 months of opening.

Since this material cures by reaction with moisture in the air, keep the container sealed when not in use. A plug of cured material may form in the tip of the tube during storage, but is easily removed and does not affect the remaining contents.

Packaging Information

DOWSIL 832 Multi-Surface Adhesive Sealant is available in 10.1 fl. oz (299 mL) cartridges, 4.5 gal (17 L) pails, and 45 gal (170 L) drums in selected colors.

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. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT WWW.CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Health And Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, www.consumer.dow.com or consult your local Dow representative.

<http://www.consumer.dow.com>

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