

Silicone
Sealants

**Dow Corning® 1437
Industrial Sealant and Adhesive**

FEATURES

- Fast cure
- Adheres to glass, metals and many plastics
- One-part, neutral-cure formulation
- Wide temperature range
- 12-month shelf life from date of manufacture
- UL 94HB tested

COMPOSITION

- One-part, neutral-cure RTV sealant

One-part, neutral-cure RTV sealant for industrial assembly and maintenance applications

USES

The fast cure nature of *Dow Corning® 1437 Industrial Sealant and Adhesive* makes it ideally suited for automated application systems, resulting in improved throughput and productivity. Because of its fast-cure nature and outstanding adhesion, *Dow Corning 1437 Industrial Sealant and Adhesive* is ideally suited for OEM applications.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Method	Test	Unit	Result
Uncured			
	Tack-Free Time	minutes	9
ASTM C 603	Extrusion Rate	grams/minute	300-400
ASTM D 2202	Flow/Sag	inch	<0.1
	Cure Rate, 1/8" bead	hours	24
As Cured – After 7 Days at 24°C (75°F) and 50 Percent Relative Humidity			
ASTM C 661	Durometer	points	21
ASTM D 412	Tensile Strength	psi	130
ASTM D 412	Elongation	percent	300
ASTM D 412	100% Modulus	psi	60
	Temperature Range	°C (°F)	-51 to 149 (-60 to 300)

Specification Writers: Please obtain a copy of the Dow Corning Sales Specification for this product and use it as a basis for your specifications. It may be obtained from any Dow Corning Sales Office, or from Dow Corning Customer Service in Midland, MI. Call (517) 496-6000.

DESCRIPTION

Dow Corning 1437 Industrial Sealant and Adhesive is a one-part, neutral-cure RTV sealant designed for aggressive adhesion to glass, metals and plastics.

Dow Corning 1437 Industrial Sealant and Adhesive is available in clear, white, gray and black. Custom-matched colors are available.

LIMITATIONS

Dow Corning 1437 Industrial Sealant and Adhesive is not recommended:

- For continuous water immersion

- In applications where excessive abrasion and physical abuse are encountered
- On materials that bleed oils, plasticizers or solvents; materials such as impregnated wood, oil-based caulks, and certain green or partially vulcanized rubber gaskets and tapes
- In totally confined spaces where the sealant is not exposed to atmospheric moisture
- On surfaces that will be painted; the paint film will not stretch with the extension of the sealant and may crack and peel

In confined cure conditions, *Dow Corning* 1437 Industrial Sealant and Adhesive may:

- Discolor brass, copper or other sensitive metals
- Stress craze polycarbonate

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

HOW TO USE

Preparation Work

Surface should be clean and dry before sealant application.

Application

Material from pails or drums can be applied using standard one-component pumping and dispensing equipment.

SHIPPING LIMITATIONS

None.

STORAGE AND SHELF LIFE

Dow Corning 1437 Industrial Sealant and Adhesive should be stored below 32°C (90°F) in a dry location. When stored in original, unopened containers, *Dow Corning* 1437

Industrial Sealant and Adhesive has a shelf life of 12 months from date of manufacture. Refer to product packaging for "Use By" date.

PACKAGING

Dow Corning 1437 Industrial Sealant and Adhesive is supplied in 10.3-fl oz (305-mL) cartridges, 4.5-gal (17-L) pails and 48-gal (181.6-L) drums.

SAFE HANDLING INFORMATION

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE FROM YOUR DOW CORNING REPRESENTATIVE, OR DISTRIBUTOR, OR BY WRITING TO DOW CORNING CUSTOMER SERVICES, OR BY CALLING (517) 496-6000.

WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is

believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that *Dow Corning*'s products are safe, effective, and fully satisfactory for the intended end use.

Dow Corning's sole warranty is that the product will meet the *Dow Corning* sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. *Dow Corning* specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless *Dow Corning* provides you with a specific, duly signed endorsement of fitness for use, *Dow Corning* disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.