



## Technical Data Sheet

# DOWSIL™ 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

## APPLICATIONS

- The fast cure nature of DOWSIL™ 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, DOWSIL 1437 Industrial Sealant and Adhesive is ideally suited for OEM applications.

## TYPICAL PROPERTIES

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

Test	Property	Unit	Result
<b>Uncured</b>			
	Tack-Free Time	minutes	9
ASTM C 603	Extrusion Rate	grams/minutes	300-400
ASTM D 2202	Flow/Sag	inch	<1.0
	Cure Rate, 1/8" bead	hours	24
<b>As Cured – After 7 Days at 24°C (75°F) and 50 Percent Relative Humidity</b>			
ASTM C 661	Durometer	points	21
ASTM D 412	Tensile Strength	psi	130
ASTM D 412	Elongation	percent	300
ASTM D 412	100% Modulus	percent	60
	Temperature Range	°C (°F)	-51 to 149 (-60 to 300)

## DESCRIPTION

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

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

## 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.

**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  
CONSUMER.DOW.COM, OR  
FROM YOUR DOW SALES  
APPLICATION ENGINEER,  
OR DISTRIBUTOR, OR BY  
CALLING DOW CUSTOMER  
SERVICE.**

## **USABLE LIFE AND STORAGE**

Product should be stored at or below 32°C (90°F) in original, unopened containers.

## **LIMITATIONS**

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

DOWSIL 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, DOWSIL 1437 Industrial Sealant and Adhesive may:

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

## **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](http://www.consumer.dow.com) or consult your local Dow representative.

## **LIMITED 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 our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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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.

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