



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 |
|--|----------------------|---------------|----------------------------|
| Uncured | | | |
| | 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 |
| 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 | 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 or consult your local Dow representative.

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DOWSIL™ 1437 Industrial Sealant and Adhesive

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