



Technical Data Sheet

DOWSIL™ SE 5410 Sealant

Neutral (alcohol type), one-part silicone sealant with fungicide JIS A5758 G-F-25HM (SR-1-9030) specified sealant.

Features & Benefits

- One-part sealant for ease of use
- Cures to a flexible silicone elastomer
- Non-sag
- Antifungal
- Excellent adhesion properties for substrate such as various metals, glass, tiles, earthen wares, etc.
- Greater UV stability and temperature and weather resistance than organic sealants
- Inherently waterproof
- Last longer and need to be replaced less often than many organic sealants, which reduces lifetime costs and contributes to sustainability

Composition

- One-part
- Neutral cure (alcohol type)
- RTV sealant

Applications

- Caulking and sealing bathrooms, bathroom vanities, laundry sinks, kitchen cabinets and kitchen sinks

Typical Properties

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

Test ¹	Property	Unit	Result
JIS A 1439	Tack free	minutes	13
JIS K 6249	Density		1.47
JIS K 6249	Hardness (JIS type A)		32
JIS K 6249	Maximum tensile strength	MPa	2.8
JIS K 6249	Maximum elongation	%	684

1. JIS: Japanese Industrial Standard.

Typical Properties (Cont.)

Test ¹	Property	Unit	Result
JIS Z 2911	Fungus resistance Assessment of fungal growth; 0: No growth apparent 1: Fungal filament covering up to 1/3 of the test surface 2: Fungal filament covering more than 1/3 of the test surface		0

Description

DOWSIL™ SE 5410 Sealant is a one-part, neutral-cure (alcohol type) RTV sealant suitable for sanitary or other construction sealing applications where mildew resistance is required. It easily extrudes in any weather and cures quickly at room temperature. This cold-applied, non-sagging silicone material cures to silicone rubber upon exposure to atmospheric moisture.

How to Use

Consult the “*Sealant Hand Book*,” “*JASS8 Weatherproofing Work*,” and “*Technology Indicator Concerning Watertight Design and Construction the Outside Wall Joint*”.

Approvals/ Specifications

- JIS A 5758 G25HM 9030(SR-1)
- JSIA F☆☆☆☆
- JIS Z 2911: 2010

Colors

DOWSIL™ SE 5410 Sealant is available in 4 colors: gray, ivory, light-gray2, white.

Primer

Use primers to increase adhesion to glass, metal and porous materials. It is recommended to test adhesion properties with the substrate prior to applications.

Recommended primers include:

- DOWSIL™ Primer-D3(RF) for glass, metal, varnished metal
- DOWSIL™ Primer-B for wood, mortar, concrete

Handling Precautions

- The surface of the substrate should be clean and dry.
- Protect uncured sealant from rain.
- Prevent extreme joint movement until the sealant is fully cured.
- When using the sealant on an outside wall joint, staining may occur.
- When using an air gun to apply, pressure should be controlled below 0.3 mPa.
- Changes in quality may be observed if the sealant comes in contact with EPDM or CR.
- Do not use sealant with aquariums or similar type items used for housing fish.

Solvent based primers are highly flammable. Keep away from open flame.

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

Usable Life and Storage

When stored at 5–25°C, DOWSIL™ SE 5410 Sealant has a shelf life of 360 days from the date of manufacture. Refer to product packaging for “Date of Manufacture”.

Packaging Information

DOWSIL™ SE 5410 Sealant is supplied in 330 ml disposable plastic cartridge. Please contact a sales engineer for specific advice.

Limitations

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

Health and Environmental Information

- Do not allow the sealant to come into contact with flames.
- Allow proper ventilation when applying sealant.
- The primer is flammable, do not allow contact with flames.
- In case of skin contact, please wash with soap and water.
- In case of eye contact, immediately flush with water.

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, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

dow.com

NOTICE: No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries. Dow assumes no obligation or liability for the information in this document. References to "Dow" or the "Company" mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

