TECHNICAL DATA SHEET

SILICONE SEALANT DP2300

Technical Overview and Applications:

DP-2300 is a single-component, acid-curing, semi-transparent, high-modulus silicone sealant that rapidly cures at room temperature. It provides excellent adhesion to a wide range of building materials, with superior resistance to weathering, aging, and high/low temperatures.

For application, It is widely used for general indoor construction applications, offering effective bonding and sealing performance. The product cures by absorbing moisture from the air, forming an elastic body that ensures durable adhesion.

Typical Application:

- ✓ Installation of interior doors and wardrobes
- ✓ Sealing of interior glass joints
- ✓ Bonding and sealing of ceiling panels
- ✓ General waterproof sealing projects
- ✓ Temporary installations (e.g., exhibition booths)
- ✓ Various other applications after compatibility testing

Instructions for Application:

- Prior to construction, perform an adhesion test with the sealant and the substrate to ensure product compatibility;
- Remove dust from the substrate surface by blowing or vacuuming, then thoroughly clean with alcohol, acetone solvent, or a suitable cleaning agent to ensure dryness, and apply sealant within 30 minutes after cleaning;
- Ensure the sealant adequately fills the gaps, forming a dense layer in close contact with the substrate surface, and smooth out the sealant joints within 5 minutes after application;
- The optimal temperature range for applying the sealant is 5°C to 40°C.

Application Restrictions :

- Not suitable for materials that exude oils, plasticizers, or other organic solvents.
- Inappropriate for airtight spaces as the silicone sealant requires air moisture for curing.
- Not intended for frosty or damp surfaces.
- Not for use on the coated side of mirror backings.
- Not for the assembly of metal-coated glass.
- Avoid contact with alkaline materials such as marble or granite.

Technical Parameters:

No.	Test Item	Standard	Test Result
1	Slump (mm)	≤3	0
2	Extrusion Rate (mL/min)	≥50	≥500
3	Tack-Free Time (min)	≤180	≤15
4	Tensile Adhesion Strength (MPa)	≤0.6	0.4
5	Fixed Elongation After Heat/Water Cycling (25%)	No damage	No damage
6	Fixed Elongation After Water/UV Exposure (25%)	No damage	No damage
7	Low Temperature Flexibility (°C)	-10	-10 (No cracking, delamination, or adhesion failure)
8	Elastic Recovery After Heat/Water Cycling (%)	≥5	75
9	Tensile-Compression Cycling Durability	Grade 7010, 7005	7010
10	Adhesive Failure Surface Area (%)	≤25	0
11	Non-Volatile Content (%)	-	52.1
12	Compressive Shear Strength (N/mm^2)	-	7.1
13	Lead Content (ppm)	-	<0.01

Note: The aforementioned performance data are based on measurements taken at a temperature of 25°C and 55% relative humidity. The company does not accept responsibility for any variations in data that may result from different testing conditions or from enhancements made to the product.

Storage and Transportation:

- The product is classified as non-hazardous and is transportable as a general chemical product;

- It should be stored in a cool, dry place , with a shelf life of 12 months from the date of manufacture.

Safety Instructions:

- Before using the product, the Material Safety Data Sheet (MSDS) should be reviewed.

- Once fully cured, the sealant product is non-toxic, but contact with eyes before curing should be avoided. In case of contact, rinse thoroughly with water and seek medical attention; keep uncured products out of children's reach. The product releases low-molecular-weight substances during curing, hence ventilation in the application and curing areas should be sufficient to prevent adverse effects from high concentrations of these substances.

Recommendations and Declarations:

- Considering the variety of actual use scenarios, the company cannot fully predict or understand all potential applications, and therefore cannot guarantee the absolute correctness or suitability of this product for every specific use. Prior to using the product, the user should familiarize themselves with it to determine its applicability and optimal use. The company

- ensures that the product complies with relevant standards but offers no further explicit or implied warranties. Remedies are limited to product return or replacement. The company explicitly disclaims any liability for incidental or consequential damages. For any issues encountered during use, customers are encouraged to contact the company’s after-sales service department for assistance.

- Production date: Refer to the print on the packaging.

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WIMPEY LABORATORIES L.L.C.

IAS ACCREDITED Testing Laboratory TL-564

TEST REPORT

Client Name	Dermax Industrial Company		
Product Description	DP 2300 General purpose silicon Sealant	Lab Report No.	WD-R-250423-0307
Test Reference	SASO 2070:2010	Lab Request No.	WD-Q-250423-0066
Test Method	GSO 2022:2010	Lab Sample No.	WD-S-250423-0535
Wimpey Ref.	250423005	Date Received	23/04/2025
Tested By	RB	Date Test Completed	30/04/2025
Class	3	Date Reported	01/05/2025

Test Results

Test	Unit	Result
Appearance	-	Homogenous and free from strange material
Coatability	-	Coat Easily
Non Volatile Content	%	52.1
Adhesion Strength Compressive Shear Strength	N/mm^2	7.1
Lead Content	ppm	< 0.01
Marking	-	Dermax Made in Saudi Clear 280 ml Expiry Date: N.G

Remarks: None

Signed for and on behalf of Wimpey Laboratories L.L.C

S.Sarath Kumar
Laboratory Manager

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Test results relate only to the samples tested.

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