

**DERMAX**

شركة رائع للصناعة المحدودة

**Dermax Industrial Company**

# **SILICONE SEALANT DM668** *Weatherseal Neutral*

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[www.dermax.sa](http://www.dermax.sa)

Al Kharj Industrial City, Riyadh, KSA

## TECHNICAL DATA SHEET

### SILICONE SEALANT DM668

#### Technical Overview and Applications:

**SILICONE SEALANT DM668 Weatherseal Neutral** is a one - component, neutral-curing, high modulus silicone sealant with outstanding adhesion and weather resistance, long shelf life and excellent tooling characteristics for construction, glass and window building.

**SILICONE SEALANT DM668 Weatherseal Neutral** cures at room temperature in the presence of atmospheric moisture to give a permanent flexible silicone rubber.

#### Features:

- **Composition:** 100% silicone, guaranteeing top - notch quality and dependable performance.
- **Moisture Content:** Exhibits exceptional weatherability, making it perfectly suited for the harsh and diverse climates of Cairo, Egypt, as well as the entire Middle East region. This sealant can withstand relative humidity levels of up to 90-95% without compromising its adhesive properties or flexibility, ensuring long-lasting protection against intense heat, high humidity, and occasional sandstorms.
- **Workability:** Offers outstanding tooling characteristics, designed specifically for professional use, allowing for effortless and precise application.
- **Fire Safety:** Boasts excellent fire - rated properties of up to 3 hours, adding an extra layer of safety in various construction and industrial applications.
- **Metal Compatibility:** Non - corrosive to metals, safeguarding metal surfaces from damage and ensuring long - term durability when in contact.
- **Substrate Suitability:** Ideal for alkaline substrates such as concrete, mortar, and fibrous cement, providing versatile usability across different building materials.
- **Surface Finish:** Features a matt finish, which not only looks aesthetically pleasing but also has practical advantages in different environments.
- **Adhesion:** Demonstrates excellent adhesion on most substrates without the need for a primer, simplifying the application process and saving time and cost.
- **Environmental & Technical:** Solvent - free, resulting in low volume shrinkage during vulcanization, which is both environmentally friendly and technically beneficial for a stable and long - lasting seal.

- **Temperature Adaptability:** Maintains ready gunnability at low (+5 °C) and high (+50 °C) temperatures, and remains flexible at extreme temperatures of low (-40 °C) and high (+200 °C). This temperature resilience is crucial for withstanding the wide temperature variations in the Middle East.

- **Anti - Sag Property:** Non - sag, ensuring a neat and even application without dripping or slumping, which is important for achieving a professional - looking finish in all weather conditions.

#### **Application:**

- This sealant is applicable for the weatherproof sealing of a variety of glass curtain wall systems.
- It is suitable for the weatherproof sealing of metallic structures, including aluminum plate and enamel curtain walls.
- The product is used for the sealing of joints in concrete and metal constructs.
- It serves as a sealing agent for building roof joints.
- The sealant is applied for the weatherproof and waterproof sealing of building exteriors and related structural assemblies.
- It is utilized in the assembly of high-end doors and windows, glass cabinets, and in the installations within kitchen and bathroom engineering projects.
- The product has a range of other applications as specified by the manufacturer or required by specific construction projects.
- This sealant is applicable for glass curtain wall systems and laminated glass. Guaranteed no chemical reaction.

#### **Application Guidelines:**

- A preliminary bonding test with the intended substrate is recommended to establish product suitability before construction commencement.
- It is advised that the substrate be cleaned of dust via blowing or vacuuming, followed by a thorough cleaning with alcohol, acetone solvent, or a specified cleaning agent to maintain a dry surface. The application of the sealant should occur within 30 minutes of cleaning to ensure optimal adhesion.
- Upon application, it is essential that the sealant is distributed to fully occupy the spatial gaps, forming a dense sealant layer that maintains solid contact with the substrate. Any adjustments to the sealant joints should be made within 30 minutes of initial application.
- The recommended temperature range for sealant application is between 5°C and 40°C to ensure proper curing and adhesion properties.

#### **Scientific Note**

- ✓ **DM668** is a 100% silicone polymer based, neutral-curing structural sealant. Unlike acetoxy silicones, which release acetic acid during curing and can attack alkaline materials or corrode metals, DM668 cures by a neutral mechanism that produces no acidic by-products.
- ✓ **No Acids:** The curing process is fully neutral, ensuring zero acid release.
- ✓ **No Metal Reaction:** It does not react with sensitive metals such as copper, lead, zinc, or brass. This makes it particularly safe and durable for use in modern façade systems and structural glazing.

- ✓ **Structural Grade:** As a high-modulus, weather-resistant silicone, it provides permanent adhesion and elasticity without chemical degradation of substrates.
- ✓ **Long-Term Stability:** Its formulation guarantees resistance to weathering, UV radiation, and extreme temperatures, while maintaining excellent adhesion to mineral, metallic, and synthetic surfaces.

#### Technical Parameters:

| No. | Test Item                               | Standard                                                                                                                                            | Test Result                                                   |
|-----|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| 1   | Density, g/cm <sup>3</sup>              | 1.5 ±0.1                                                                                                                                            | 1.49                                                          |
| 2   | Sag, mm                                 | ≤3                                                                                                                                                  | 0                                                             |
| 3   | Surface drying time, h                  | ≤3                                                                                                                                                  | 0.8                                                           |
| 4   | Extrudability, mL/min                   | ≥150                                                                                                                                                | 725                                                           |
| 5   | Elastic recovery rate, %                | ≥80                                                                                                                                                 | 88                                                            |
| 6   | Tensile modulus at 23°C, MPa            | >0.4                                                                                                                                                | 0.7                                                           |
| 7   | Adhesion at defined extension           | No damage                                                                                                                                           | No damage                                                     |
| 8   | Adhesion after water immersion          | No damage                                                                                                                                           | No damage                                                     |
| 9   | Adhesion after cold-hot cycling         | No damage                                                                                                                                           | No damage                                                     |
| 10  | Adhesion after water and light exposure | No damage                                                                                                                                           | No damage                                                     |
| 11  | Mass loss rate, %                       | ≤8                                                                                                                                                  | 4                                                             |
| 12  | Alkane plasticizer                      | Not detected                                                                                                                                        | Not detected                                                  |
| 13  | Appearance                              | The standard for appearance requires that the product be homogeneous and free from foreign materials.                                               | Homogenous and free from strange material                     |
| 14  | Coatability                             | The standard for coatability requires that the sealant can be easily applied and adhere well to surfaces.                                           | Coat Easily                                                   |
| 15  | Non Volatile Content                    | The standard for non-volatile content typically requires a minimum of 20% for effective sealing performance.                                        | 30%                                                           |
| 16  | Adhesion Strength<br>Peeling strength   | The standard for adhesion strength typically requires a minimum peeling strength of 2.0 kN/m for effective bonding.                                 | 4.3                                                           |
| 17  | Rheological Properties                  | The sealant shall have flow characteristic such that when tested in accordance with test method ASTM C639. It shall exhibit a smooth level surface. | The tested specimen exhibits a smooth leveled surface.        |
| 18  | Application Life                        | The sample shall be extrudable at a rate of not less than 10 ml/min, 3 h after mixing.                                                              | 24 ml/min                                                     |
| 19  | Tack Free Time                          | There shall be no transfer of the sealant to the polyethylene film when tested at 3 h in accordance with Test Method ASTM C15-679                   | Pass - No Transfer of test specimens to the polyethylene film |
| 20  | Extrusion Rate                          | 10<mL/min                                                                                                                                           | 20 mL/min                                                     |
| 21  | Shore A Hardness                        | 28,24,26,23,26                                                                                                                                      | A/1/25                                                        |
| 22  | Stain and colour change                 | The sealant shall not cause any                                                                                                                     | Pass                                                          |

|    |                                   |                                                                                                  |        |
|----|-----------------------------------|--------------------------------------------------------------------------------------------------|--------|
|    |                                   | visible stain on the top surface of a white cement mortar base                                   |        |
| 23 | Effects of Accelerated Weathering | Should not crack after Accelerated weathering and Bend test                                      | Pass   |
| 24 | Effects Of Heat Ageing            | The sealant shall not lose more than 7 % of its original weight or show any cracking or chalking | 3.44 % |

**Quality Assurance:**

DERMAX is certified under the ISO9001/ISO14001/ISO45001 management systems, strictly producing and controlling product quality in accordance with ISO9001 quality system requirements.

**Adhesion Testing:**

The sealant is known for its strong adhesion qualities to a variety of construction materials, including glass, anodized aluminum, composite aluminum panels, timber, steel, and the majority of plastics. Given the ongoing introduction of novel construction materials and advances in surface treatment methods, the applicability of the sealant to all materials cannot be universally assured. Adhesion tests may be required for certain projects to determine the sealant's suitability with specific materials in use. The company's laboratory offers adhesion testing services to ascertain the performance of the sealant in conjunction with the customer's material selection, providing documented findings and guidance on product application and surface preparation requirements.

**Compatibility Testing:**

The interaction of silicone rubber with auxiliary construction materials such as foam strips and double-sided tapes is critical; incompatibility may lead to discoloration or loss of adhesive properties. The company's laboratory offers testing services to assess the compatibility of these auxiliary materials with the silicone rubber. Clients are encouraged to submit their materials for evaluation, following which the laboratory will perform necessary tests and issue formal reports on the findings.

**Storage and Transportation:**

- The sealant is designated as a non-hazardous material, akin to standard chemical products, for the purposes of transportation.
- Recommended storage conditions are a dry, well-ventilated, and cool environment. The shelf life is specified to be **18 months** from the date of manufacture, as marked on the packaging.

**Safety Instructions:**

- Prior to use, the Material Safety Data Sheet (MSDS) should be consulted for safety guidelines.
- Although the product is non-toxic when fully cured, precautions should be taken to avoid eye contact before curing. In case of such contact, it is advised to rinse the eyes with an ample amount of water and seek medical attention. The product in its uncured state should be inaccessible to children. The curing process involves the release of volatile compounds, necessitating proper ventilation to mitigate potential adverse effects from these emissions.

**Recommendations and Declarations:**

- The diversity of possible use environments precludes a comprehensive understanding of all potential applications, therefore, the company cannot assure the universal suitability of this product for all specific uses. Users bear the responsibility to acquaint themselves with the product's properties and determine its fitness for their particular application, including the most appropriate usage methodology. The manufacturer warrants conformity to stated standards but does not offer any further guarantees, either stated or implied. Remedies are restricted to product return or replacement. The manufacturer categorically denies responsibility for incidental or consequential damages arising from use. Customers encountering issues during application are encouraged to engage with the after-sales service for support.

- Production date: See the code printed on the packaging.

- Packaging: Packaged in 280ml plastic tubes; 600ml soft film packaging.



## TEST REPORT ON RHEOLOGICAL PROPERTIES

|                           |                                             |                |                    |
|---------------------------|---------------------------------------------|----------------|--------------------|
| Client                    | Dermax Industrial Co., Ltd.                 |                |                    |
| Sample Description        | DM668 Sealant                               | Lab Report No. | WD-R-240613-0465/1 |
| Source                    | Dermax Industrial Co., Ltd.                 | Request No.    | WD-Q-240613-0136   |
| Client's Ref.             | N.G                                         | Sample No.     | WD-S-240613-0434   |
| Curing and test condition | Temperature: 23°C<br>Relative Humidity: 50% | Date Received  | 13/06/2024         |
| Test Method               | ASTM C639-15(2020)                          | Date Tested    | 19/06/2024         |
| Sampled By                | N.G                                         | Date Reported  | 06/08/2024         |
| Wimpey Ref No.            | 240613066                                   | Tested By      | SU                 |

### Rheological Properties

| Test                   | Standard Requirement as per ASTM C920-18                                                                                                            | Result                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Rheological Properties | The sealant shall have flow characteristic such that when tested in accordance with test method ASTM C639. It shall exhibit a smooth level surface. | The tested specimen exhibits a smooth leveled surface. |

**Remarks:** None

Signed for and on behalf of Wimpey Laboratories LLC

  
**S. Sarath Kumar**  
Head of Department



Test results relate only to the samples tested

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WIMPEY LABORATORIES L.L.C.

## TEST REPORT ON APPLICATION LIFE

|                           |                                             |                |                    |
|---------------------------|---------------------------------------------|----------------|--------------------|
| Client                    | Dermax Industrial Co., Ltd.                 |                |                    |
| Sample Description        | DM668 Sealant                               | Lab Report No. | WD-R-240613-0465/2 |
| Source                    | Dermax Industrial Co., Ltd.                 | Request No.    | WD-Q-240613-0136   |
| Samples by                | N.G                                         | Sample No.     | WD-S-240613-0434   |
| Client's Ref.             | N.G                                         | Date Received  | 13/06/2024         |
| Curing and test condition | Temperature: 23°C<br>Relative Humidity: 50% | Date Tested    | 19/06/2024         |
| Test Method               | ASTM C1183/C1183M-13                        | Date Reported  | 06/08/2024         |
| Wimpey Ref No.            | 240613066                                   | Tested By      | SU                 |

### Test Result

| Test             | Standard Requirement as per ASTM C920-18                                               | Result    |
|------------------|----------------------------------------------------------------------------------------|-----------|
| Application Life | The sample shall be extrudable at a rate of not less than 10 ml/min, 3 h after mixing. | 24 ml/min |

Remarks: None

Signed for and on behalf of Wimpey Laboratories LLC

S.Sarath Kumar  
Head of Department



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## TEST REPORT ON TACK FREE TIME

|                           |                                             |                |                    |
|---------------------------|---------------------------------------------|----------------|--------------------|
| Client                    | Dermax Industrial Co., Ltd.                 |                |                    |
| Sample Description        | DM668 Sealant                               | Lab Report No. | WD-R-240613-0465/3 |
| Source                    | Dermax Industrial Co., Ltd.                 | Request No.    | WD-Q-240613-0136   |
| Client's Ref.             | N.G                                         | Sample No.     | WD-S-240613-0434   |
| Curing and test condition | Temperature: 23°C<br>Relative Humidity: 50% | Date Received  | 13/06/2024         |
| Test Method               | ASTM C679-15(2022)                          | Date Tested    | 19/06/2024         |
| Sampled By                | N.G                                         | Date Reported  | 06/08/2024         |
| Wimpey Ref No.            | 240613066                                   | Tested By      | SU                 |

### Tack Free Time

| Test           | Standard Requirement as per<br>ASTM C920-18                                                                                       | Result                                                        |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| Tack Free Time | There shall be no transfer of the sealant to the polyethylene film when tested at 3 h in accordance with Test Method ASTM C679-15 | Pass – No Transfer of test specimens to the polyethylene film |

Remarks: None

Signed for and on behalf of Wimpey Laboratories LLC



**S.Sarath Kumar**  
**Head of Department**



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## TEST REPORT ON EXTRUSION RATE

|                           |                                             |                |                    |
|---------------------------|---------------------------------------------|----------------|--------------------|
| Client                    | Dermax Industrial Co., Ltd.                 |                |                    |
| Sample Description        | DM668 Sealant                               | Lab Report No. | WD-R-240613-0465/4 |
| Source                    | Dermax Industrial Co., Ltd.                 | Request No.    | WD-Q-240613-0136   |
| Client's Ref.             | N.G                                         | Sample No.     | WD-S-240613-0434   |
| Curing and test condition | Temperature: 23°C<br>Relative Humidity: 50% | Date Received  | 13/06/2024         |
| Test Method               | ASTM C1183/C1183M-13                        | Date Tested    | 19/06/2024         |
| Sampled By                | N.G                                         | Date Reported  | 06/08/2024         |
| Wimpey Ref No.            | 240613066                                   | Tested By      | SU                 |

### Extrusion Rate

| Test           | Standard Requirement as per ASTM C920-18 | Result    |
|----------------|------------------------------------------|-----------|
| Extrusion Rate | >10mL/min                                | 20 mL/min |

Remarks: None

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Head of Department

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## TEST REPORT ON HARDNESS

|                    |                                                                                                                                                       |                           |                    |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------|
| Client             | Dermax Industrial Co., Ltd.                                                                                                                           |                           |                    |
| Sample Description | DM668 Sealant                                                                                                                                         | Lab Report No.            | WD-R-240613-0465/5 |
| Source             | Dermax Industrial Co., Ltd.                                                                                                                           | Request No.               | WD-Q-240613-0136   |
| Client's Ref.      | N.G                                                                                                                                                   | Sample No.                | WD-S-240613-0434   |
| Test Method        | ASTM C661-15(2022)                                                                                                                                    | Wimpey Ref No.            | 240613066          |
| Equipment Type     | Durometer Shore A                                                                                                                                     | Date Received             | 13/06/2024         |
| Equipment Model    | SHR-A-GOLD                                                                                                                                            | Date Tested               | 10/07/2024         |
| Serial Number      | 23167                                                                                                                                                 | Date Reported             | 06/08/2024         |
| Mean of Testing    | Manual                                                                                                                                                | Indentation Hardness Time | 1 second           |
| Room Temperature   | 23°C                                                                                                                                                  | Tested By                 | SU                 |
| Curing condition   | 21 days as follows: 7 days at standard conditions, 7 days in a chamber controlled at 38°C & 95 % relative humidity and 7 days at standard conditions. |                           |                    |

### Test Result

| Test             | Test Readings  | Result |
|------------------|----------------|--------|
| Shore A Hardness | 28,24,26,23,26 | A/25/1 |

**Remarks:** None

**Signed for and on behalf of Wimpey Laboratories LLC**

**S.Sarath Kumar**  
**Head of Department**

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## TEST REPORT ON STAIN AND COLOR CHANGE

|                           |                                             |                            |                    |
|---------------------------|---------------------------------------------|----------------------------|--------------------|
| Client                    | Dermax Industrial Co., Ltd.                 |                            |                    |
| Sample Description        | DM668 Sealant                               | Lab Report No.             | WD-R-240613-0465/6 |
| Source                    | Dermax Industrial Co., Ltd.                 | Request No.                | WD-Q-240613-0136   |
| Client's Ref.             | N.G                                         | Sample No.                 | WD-S-240613-0434   |
| Curing and Room condition | Temperature: 23°C<br>Relative Humidity: 50% | Date Received              | 13/06/2024         |
| Test Method               | ASTM C510-16(2022)                          | Date Tested                | 03/07/2024         |
| Test Conditioning         | 24hours at 23°C<br>100hours UV at 60°C      | Date Reported              | 06/08/2024         |
| Control Sample Exposure   | 14 days Standard condition                  | Duration of Exposure to UV | 100 Hours          |
| Wimpey Ref No.            | 240613066                                   | Tested By                  | SU                 |

### Test Result

| Test                    | Standard Requirement as per ASTM C920-18                                                       | Result |
|-------------------------|------------------------------------------------------------------------------------------------|--------|
| Stain and colour change | The sealant shall not cause any visible stain on the top surface of a white cement mortar base | Pass   |

Remarks: None

Signed for and on behalf of Wimpey Laboratories LLC

S.Sarath Kumar  
Head of Department

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## TEST REPORT ON PEEL ADHESION

|                                         |                                             |                            |                   |
|-----------------------------------------|---------------------------------------------|----------------------------|-------------------|
| Client                                  | Dermax Industrial Co., Ltd.                 |                            |                   |
| Sample Description                      | DM668 Sealant                               | Lab Report No.             | WD-R-240613-04657 |
| Source                                  | Dermax Industrial Co., Ltd.                 | Request No.                | WD-Q-240613-0136  |
| Client's Ref.                           | N.G                                         | Sample No.                 | WD-S-240613-0434  |
| Curing and Room condition               | Temperature: 23°C<br>Relative Humidity: 50% | Wimpey Ref No.             | 240613066         |
| Test Method                             | ASTM C794-18(2022)                          | Date Received              | 13/06/2024        |
| Substrate Surface Preparation procedure | ASTM C1375-00(2020)                         | Date Tested                | 10/07/2024        |
| Curing Time                             | 21 days                                     | Date Reported              | 06/08/2024        |
| Wire Mesh                               | Standard Wire mesh 25mm width               | Duration of Exposure to UV | Not applicable    |
| Substrate Used                          | Concrete                                    | Tested By                  | SU                |

### Test Result

| Sample No.       | Peel Strength (N) | Failure Type                      | Standard Requirement as per ASTM C920-18                                                                                                                                |
|------------------|-------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WD-S-240613-0434 | 38.2              | No Adhesion Bond failure observed | The peel strength for each individual test shall not be less than 22.2 N (5 lbf). The sealant shall show no more than 25 % adhesive bond loss for each individual test. |
|                  | 42.4              |                                   |                                                                                                                                                                         |
|                  | 41.3              |                                   |                                                                                                                                                                         |
|                  | 40.4              |                                   |                                                                                                                                                                         |
|                  | 35.9              |                                   |                                                                                                                                                                         |
| Average          | 39.6              |                                   |                                                                                                                                                                         |

Remarks: None

Signed for and on behalf of Wimpey Laboratories LLC

S. Sarath Kumar  
Head of Department

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## TEST REPORT ON PEEL ADHESION AFTER UV EXPOSURE

|                                         |                                             |                            |                    |
|-----------------------------------------|---------------------------------------------|----------------------------|--------------------|
| Client                                  | Dermax Industrial Co., Ltd.                 |                            |                    |
| Sample Description                      | DM668 Sealant                               | Lab Report No.             | WD-R-240613-0465/8 |
| Source                                  | Dermax Industrial Co., Ltd.                 | Request No.                | WD-Q-240613-0136   |
| Client's Ref.                           | N.G                                         | Sample No.                 | WD-S-240613-0434   |
| Curing and Room condition               | Temperature: 23°C<br>Relative Humidity: 50% | Wimpey Ref No.             | 240613066          |
| Test Method                             | ASTM C794-18(2022)                          | Date Received              | 13/06/2024         |
| Substrate Surface Preparation procedure | ASTM C1375-00(2020)                         | Date Tested                | 31/07/2024         |
| Curing Time                             | 21 days                                     | Date Reported              | 06/08/2024         |
| Wire Mesh                               | Standard Wire mesh 25mm width               | Duration of Exposure to UV | 250                |
| Substrate Used                          | Concrete                                    | Tested By                  | SU                 |

### Test Result

| Sample No.       | Peel Strength (N) | Failure Type                      | Standard Requirement as per ASTM C920-18                                                                                                                                |
|------------------|-------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WD-S-240613-0434 | 32.5              | No Adhesion Bond failure observed | The peel strength for each individual test shall not be less than 22.2 N (5 lbf). The sealant shall show no more than 25 % adhesive bond loss for each individual test. |
|                  | 33.9              |                                   |                                                                                                                                                                         |
|                  | 35.2              |                                   |                                                                                                                                                                         |
|                  | 34.2              |                                   |                                                                                                                                                                         |
|                  | 33.8              |                                   |                                                                                                                                                                         |
| Average          | 33.9              |                                   |                                                                                                                                                                         |

Remarks: None

Signed for and on behalf of Wimpey Laboratories LLC

S. Sarath Kumar  
Head of Department

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## TEST REPORT ON EFFECTS OF ACCELERATED WEATHERING

|                           |                                                                      |                  |                    |
|---------------------------|----------------------------------------------------------------------|------------------|--------------------|
| Client                    | Dermax Industrial Co., Ltd.                                          |                  |                    |
| Sample Description        | DM668 Sealant                                                        | Lab Report No.   | WD-R-240613-0465/9 |
| Source                    | Dermax Industrial Co., Ltd.                                          | Request No.      | WD-Q-240613-0136   |
| Client's Ref.             | N.G                                                                  | Sample No.       | WD-S-240613-0434   |
| Curing and test condition | Temperature: 23°C<br>Relative Humidity: 50%                          | Date Received    | 13/06/2024         |
| Test Method               | ASTM C793-05 & ASTM C1442-14                                         | Date Tested      | 23/07/2024         |
| Test Temperature          | 23°C                                                                 | Date Reported    | 06/08/2024         |
| Curing condition          | 21 days at standard condition<br>250 hours at UV<br>24hours at -26°C | Mandrel Diameter | 12.7mm             |
| Wimpey Ref No.            | 240613066                                                            | Tested By        | SU                 |

### Test Result

| Test                                 | Standard Requirement as per<br>ASTM C920-18                    | Result |
|--------------------------------------|----------------------------------------------------------------|--------|
| Effects of Accelerated<br>Weathering | Should not crack after Accelerated<br>weathering and Bend test | Pass   |

**Remarks:** None

**Signed for and on behalf of Wimpey Laboratories LLC**


  
**S.Sarath Kumar**  
**Head of Department**

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## TEST REPORT ON EFFECT OF HEAT AGEING

|                           |                                             |                |                     |
|---------------------------|---------------------------------------------|----------------|---------------------|
| Client                    | Dermax Industrial Co., Ltd.                 |                |                     |
| Sample Description        | DM668 Sealant                               | Lab Report No. | WD-R-240613-0465/10 |
| Source                    | Dermax Industrial Co., Ltd.                 | Request No.    | WD-Q-240613-0136    |
| Client Reference          | N.G                                         | Sample No.     | WD-S-240613-0434    |
| Curing and test condition | Temperature: 23°C<br>Relative Humidity: 50% | Wimpey Ref No. | 240613066           |
| Test Method               | ASTM C1246-17                               | Date Received  | 13/06/2024          |
| Curing condition          | 28 days at standard condition               | Date Tested    | 06/08/2024          |
| Heat Ageing               | 21 days at 70°C                             | Date Reported  | 07/08/2024          |
| Sampled by                | Client                                      | Tested By      | SU                  |

### Test Result

| Test                   | Standard Requirement as per<br>ASTM C920-18                                                      | Result |
|------------------------|--------------------------------------------------------------------------------------------------|--------|
| Effects Of Heat Ageing | The sealant shall not lose more than 7 % of its original weight or show any cracking or chalking | 3.44 % |

Remarks: None

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


  
**S. Sarath Kumar**
  
 Head of Department



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## TEST REPORT

|                     |                             |                     |                  |
|---------------------|-----------------------------|---------------------|------------------|
| Client Name         | Dermax Industrial Co., Ltd. |                     |                  |
| Product Description | DP668 Silicone Sealant      | Lab Report No.      | WD-R-240613-0464 |
| Test Reference      | SASO 2070:2010              | Lab Request No.     | WD-Q-240613-0136 |
| Test Method         | GSO 2022:2010               | Lab Sample No.      | WD-S-240613-0434 |
| Wimpey Ref.         | 240613066                   | Date Received       | 13/06/2024       |
| Client Reference    | N.G                         | Date Test Completed | 17/07/2024       |
| Tested By           | SU                          | Date Reported       | 05/08/2024       |

### Test Results

| Test                 |                  | Unit | Result                                                                     |
|----------------------|------------------|------|----------------------------------------------------------------------------|
| Appearance           |                  |      | Homogenous and free from strange material                                  |
| Coatability          |                  |      | Coat Easily                                                                |
| Non Volatile Content |                  | %    | 30                                                                         |
| Adhesion Strength    | Peeling strength | kN/m | 4.3                                                                        |
| Marking              |                  | -    | Manufacturer: Dermax<br>Lot No: 668-1001<br>Made in Saudi Arabia<br>280 ml |

Remarks: None

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

S.Sarith Kumar  
Head of Department

Test results relate only to the samples tested.

This report shall not be reproduced except in full, without the written approval of the laboratory.

-End of text-





## شهادة ترخيص باستعمال علامة الجودة License For Use of The Quality Mark

License Number: 20240650741 رقم الترخيص:

SASO certifies that it has granted the right to use (SASO) quality mark on the following products, after fulfilling the required requirements according to the related normative references:

تشهد الهيئة السعودية للمواصفات والمقاييس والجودة بأنها رخصت باستخدام علامة الجودة على المنتجات الموضحة أدناه بعد استيفائها للمتطلبات اللازمة وفق المراجع القياسية الخاصة بها:

|                              |                                                                                   |                                      |
|------------------------------|-----------------------------------------------------------------------------------|--------------------------------------|
| The Establishment:           | شركة رائد للصناعة فرع شركة روح المنافسة                                           | المنشأة:                             |
| The Establishment's Address: | ABI OBAIDAH AAMIR IBN ALJARRAH STREET, 6868 ALSAADAH DIST,,<br>RIYADH 4620 142564 | عنوان المنشأة:                       |
| Production Line Location:    | kharj industrial area, 23 street, 16417                                           | موقع خط الإنتاج:                     |
| Normative References:        | SASO 798/1998                                                                     | المراجع القياسية:                    |
| The Trade Mark:              | DERMAX                                                                            | العلامة التجارية:                    |
| The Product:                 | لاصق مستحلب خلات عديد الفينيل                                                     | المنتج:<br>(تفاصيل المنتج في الملحق) |
| Date of Granting:            | 2024/11/10                                                                        | تاريخ المنح:                         |
| Date of Renwal:              | -                                                                                 | تاريخ التجديد:                       |
| Date of Expiry:              | 2027/11/10                                                                        | تاريخ الانتهاء:                      |

مدير عام الإدارة العامة لمنح الشهادات  
Director General of Certification Department

عنه: م. فارس بن حسن مناع  
المهندس / خالد بن محمد النملة  
Eng. Khalid M. Alnamlah



للتأكد من صحة هذه الشهادة يرجى زيارة موقعنا على الإنترنت، وأي كسب أو تغيير في هذه الشهادة يلغيها.

To verify this certification visit SASO website, and any changes or modification on this certificate will affect its validity.



## ملحق شهادة ترخيص باستعمال علامة الجودة Appendix (License For Use of The Quality Mark)

|                              |                                         |                       |
|------------------------------|-----------------------------------------|-----------------------|
| The establishment:           | شركة رائد للصناعة فرع شركة روح المنافسة | المنشأة:              |
| Certificate No.:             | 20240650741                             | رقم الترخيص:          |
| Certificate Expiration Date: | 2027/11/10                              | تاريخ انتهاء الترخيص: |
| Product:                     | لاصق مستحلب خلات عديد الفينيل           | المنتج:               |
| Brand Name:                  | DERMAX                                  | العلامة التجارية:     |

| تاريخ المنح/التجديد<br>Date of Granting/Renewal | المقاسات<br>Size | الصف<br>Classification | م<br>No. |
|-------------------------------------------------|------------------|------------------------|----------|
| 2024/11/10                                      | -                | Class (1) Type (A)     | 1        |



للتأكد من صحة هذه الشهادة يرجى زيارة موقعنا على الإنترنت، وأي كشط أو تغيير في هذه الشهادة يلغيها.  
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## شهادة ترخيص باستعمال علامة الجودة License For Use of The Quality Mark

License Number: 20240650741 رقم الترخيص:

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تشهد الهيئة السعودية للمواصفات والمقاييس والجودة بأنها رخصت باستخدام علامة الجودة على المنتجات الموضحة أدناه بعد استيفائها للمتطلبات اللازمة وفق المراجع القياسية الخاصة بها:

|                              |                                                                                   |                                      |
|------------------------------|-----------------------------------------------------------------------------------|--------------------------------------|
| The Establishment:           | شركة رائد للصناعة فرع شركة روح المنافسة                                           | المنشأة:                             |
| The Establishment's Address: | ABI OBAIDAH AAMIR IBN ALJARRAH STREET, 6868 ALSAADAH DIST,,<br>RIYADH 4620 142564 | عنوان المنشأة:                       |
| Production Line Location:    | kharj industrial area, 23 street, 16417                                           | موقع خط الإنتاج:                     |
| Normative References:        | SASO GSO EN 12004/2011                                                            | المراجع القياسية:                    |
| The Trade Mark:              | DERMAX                                                                            | العلامة التجارية:                    |
| The Product:                 | المواد اللاصقة للبلاط                                                             | المنتج:<br>(تفاصيل المنتج في الملحق) |
| Date of Granting:            | 2024/11/10                                                                        | تاريخ المنح:                         |
| Date of Renwal:              | -                                                                                 | تاريخ التجديد:                       |
| Date of Expiry:              | 2027/11/10                                                                        | تاريخ الانتهاء:                      |

مدير عام الإدارة العامة لمنح الشهادات  
Director General of Certification Department

عنه: م. فارس بن حسن مناع  
المهندس / خالد بن محمد النملة  
Eng. Khalid M. Alnamlah



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## ملحق شهادة ترخيص باستعمال علامة الجودة Appendix (License For Use of The Quality Mark)

|                              |                                         |                       |
|------------------------------|-----------------------------------------|-----------------------|
| The establishment:           | شركة رائع للصناعة فرع شركة روح المنافسة | المنشأة:              |
| Certificate No.:             | 20240650741                             | رقم الترخيص:          |
| Certificate Expiration Date: | 2027/11/10                              | تاريخ انتهاء الترخيص: |
| Product:                     | المواد اللاصقة للبلاط                   | المنتج:               |
| Brand Name:                  | DERMAX                                  | العلامة التجارية:     |

| تاريخ المنح/التجديد<br>Date of Granting/Renewal | المقاسات<br>Size | الصف<br>Classification | م<br>No. |
|-------------------------------------------------|------------------|------------------------|----------|
| 2024/11/10                                      | -                | C1                     | 1        |



للتأكد من صحة هذه الشهادة يرجى زيارة موقعنا على الإنترنت، وأي كسب أو تغيير في هذه الشهادة يلغيها.  
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## شهادة ترخيص باستعمال علامة الجودة License For Use of The Quality Mark

License Number: 20240650741 رقم الترخيص:

SASO certifies that it has granted the right to use (SASO) quality mark on the following products, after fulfilling the required requirements according to the related normative references:

تشهد الهيئة السعودية للمواصفات والمقاييس والجودة بأنها رخصت باستخدام علامة الجودة على المنتجات الموضحة أدناه بعد استيفائها للمتطلبات اللازمة وفق المراجع القياسية الخاصة بها:

|                              |                                                                                   |                                      |
|------------------------------|-----------------------------------------------------------------------------------|--------------------------------------|
| The Establishment:           | شركة رائد للصناعة فرع شركة روح المنافسة                                           | المنشأة:                             |
| The Establishment's Address: | ABI OBAIDAH AAMIR IBN ALJARRAH STREET, 6868 ALSAADAH DIST,,<br>RIYADH 4620 142564 | عنوان المنشأة:                       |
| Production Line Location:    | kharj industrial area, 23 street, 16417                                           | موقع خط الإنتاج:                     |
| Normative References:        | SASO 2070/2010                                                                    | المراجع القياسية:                    |
| The Trade Mark:              | DERMAX                                                                            | العلامة التجارية:                    |
| The Product:                 | الغراء للاغراض العامة                                                             | المنتج:<br>(تفاصيل المنتج في الملحق) |
| Date of Granting:            | 2024/11/10                                                                        | تاريخ المنح:                         |
| Date of Renwal:              | -                                                                                 | تاريخ التجديد:                       |
| Date of Expiry:              | 2027/11/10                                                                        | تاريخ الانتهاء:                      |

مدير عام الإدارة العامة لمنح الشهادات  
Director General of Certification Department

عنه: م. فارس بن حسن مناع  
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## ملحق شهادة ترخيص باستعمال علامة الجودة Appendix (License For Use of The Quality Mark)

|                              |                                         |                       |
|------------------------------|-----------------------------------------|-----------------------|
| The establishment:           | شركة رائع للصناعة فرع شركة روح المنافسة | المنشأة:              |
| Certificate No.:             | 20240650741                             | رقم الترخيص:          |
| Certificate Expiration Date: | 2027/11/10                              | تاريخ انتهاء الترخيص: |
| Product:                     | الغراء للاغراض العامة                   | المنتج:               |
| Brand Name:                  | DERMAX                                  | العلامة التجارية:     |

| تاريخ المنح/التجديد<br>Date of Granting/Renewal | المقاسات<br>Size | الصف<br>Classification | م<br>No. |
|-------------------------------------------------|------------------|------------------------|----------|
| 2024/11/10                                      | -                | Class 2 B              | 1        |
| 2024/11/10                                      | -                | Class 3 A              | 2        |



للتأكد من صحة هذه الشهادة يرجى زيارة موقعنا على الإنترنت، وأي كشط أو تغيير في هذه الشهادة يلغيها.  
To verify this certification visit SASO website, and any changes or modification on this certificate will affect its validity.



# Certificate of Registration

This is to certify that the Quality Management System (QMS) of

## Dermax Industrial Company

Street 74, Al Kharj Industrial City 16417, Kingdom of Saudi Arabia.

Has been successfully assessed as per the requirement of

## ISO 9001: 2015

Quality Management System

For the scope of

Research and Development, Production and Sales of Various Types of Chemicals Such as White Glue, Silicone Sealant Structural Adhesive, Spray Paint, High Strength Structural Adhesive (Excluding Hazardous Chemicals); Technical Consultation and Services on A Series of Chemicals for Building Structures, Related Chemicals and Raw Materials Import and Export Trading Business

|                                   |   |                 |
|-----------------------------------|---|-----------------|
| Initial Registration Date         | : | 17 - 08 - 2025  |
| Certificate Issue Date            | : | 17 - 08 - 2025  |
| 1 <sup>st</sup> Surveillance Date | : | 16 - 08 - 2026  |
| 2 <sup>nd</sup> Surveillance Date | : | 16 - 08 - 2027  |
| Re- Certification                 | : | 16 - 08 - 2028  |
| Expiry Date                       | : | 16 - 08 - 2026  |
| Certificate Registration Number   | : | CN-QMS-15251724 |
| Accreditation Number              | : | CB - MS - 5638  |

Managing Director



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United States of America



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Visit the websites to verify your certificate.



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& must be returned on request.



# Certificate of Registration

This is to certify that the Environmental Management System (EMS) of

## Dermax Industrial Company

Street 74, Al Kharj Industrial City 16417, Kingdom of Saudi Arabia.

Has been successfully assessed as per the requirement of

## ISO 14001:2015

Environmental Management System  
For the scope of

Research and Development, Production and Sales of Various Types of Chemicals  
Such as White Glue, Silicone Sealant Structural Adhesive, Spray Paint, High-  
Strength Structural Adhesive (Excluding Hazardous Chemicals); Technical  
Consultation and Services on A Series of Chemicals for Building Structures,  
Related Chemicals and Raw Materials Import and Export Trading Business

|                                   |   |                 |
|-----------------------------------|---|-----------------|
| Initial Registration Date         | : | 16 - 06 - 2025  |
| Certificate Issue Date            | : | 16 - 06 - 2025  |
| 1 <sup>st</sup> Surveillance Date | : | 15 - 06 - 2026  |
| 2 <sup>nd</sup> Surveillance Date | : | 15 - 06 - 2027  |
| Re- Certification Date            | : | 15 - 06 - 2028  |
| Expiry Date                       | : | 15 - 06 - 2026  |
| Certificate Registration Number   | : | CN-EMS-15251549 |
| Accreditation Number              | : | CB - MS - 5635  |

Managing Director



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This certificate is the property of ANS System Certification Private Limited  
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# Certificate of Registration

This is to certify that the Occupational Health & Safety Management System (OH&SM) of

## Dermax Industrial Company

Street 74, Al Kharj Industrial City 16417, Kingdom of Saudi Arabia.

Has been successfully assessed as per the requirement of

## ISO 45001:2018

### Occupational Health & Safety Management System

For the scope of

Research and Development, Production and Sales of Various Types of Chemicals Such as White Glue, Silicone Sealant Structural Adhesive, Spray Paint, High-Strength Structural Adhesive (Excluding Hazardous Chemicals); Technical Consultation and Services on A Series of Chemicals for Building Structures, Related Chemicals and Raw Materials Import and Export Trading Business

|                                   |   |                    |
|-----------------------------------|---|--------------------|
| Initial Registration Date         | : | 16 - 06 - 2025     |
| Certificate Issue Date            | : | 16 - 06 - 2025     |
| 1 <sup>st</sup> Surveillance Date | : | 15 - 06 - 2026     |
| 2 <sup>nd</sup> Surveillance Date | : | 15 - 06 - 2027     |
| Re- Certification Date            | : | 15 - 06 - 2028     |
| Expiry Date                       | : | 15 - 06 - 2026     |
| Certificate Registration Number   | : | CN-OH&SMS-15251550 |
| Accreditation Number              | : | CB - MS - 5631     |

Managing Director



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