



## DOLPHIN 125 WINDOWS & DOORS SILICONE SEALANT

**DOLPHIN 125 WINDOWS & DOORS SILICONE SEALANT** is a high performance one part sealant that reacts with moisture at ambient temperature to form an attractive, color stable highly flexible rubber seal with excellent movement capabilities.

**DOLPHIN 125 WINDOWS & DOORS SILICONE SEALANT** has good adhesion to non-porous surfaces such as glass, metals and plastic as well as porous surfaces like vinyl, concrete and mortar.

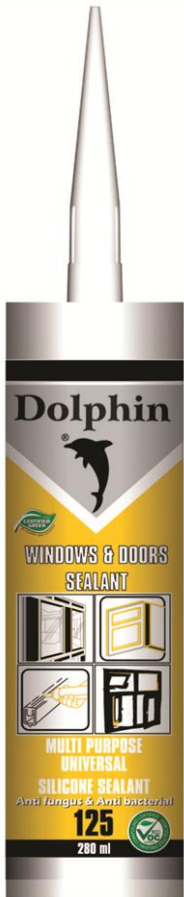
### TECHNICAL PROPERTIES

| Properties                              | Test Method | Unit              | Specifications      |
|---|-------------|-------------------|---------------------|
| Chemical Base                           |             |                   | 1-C Silicone        |
| Cure Mechanism                          |             |                   | Moisture            |
| Cure Type                               |             |                   | Acetoxy             |
| <i>As Supplied @ 25°C, 50% RH</i>       |             |                   |                     |
| Color                                   |             |                   | Clear, White, Black |
| Consistency                             |             |                   | Homogeneous paste   |
| Specific Gravity                        | ASTM D 1475 | g/cm <sup>3</sup> | 0.98 ± 0.02         |
| Flow Properties                         | ASTM C 639  | mm                | 0 (Non-sag)         |
| Skin Over Time                          | ASTM C 679  | minutes           | Approx. 7           |
| Tack Free Time                          | ASTM C 679  | minutes           | Approx. 12          |
| Depth Cure, 24 hrs                      | Lab Test    | mm                | ~ 2.2               |
| <i>As Cured – 7 Days @ 25°C, 50% RH</i> |             |                   |                     |
| Hardness (Shore A)                      | ASTM D 2240 | Points            | 16 – 20             |
| Tensile Strength                        | ASTM D 412  | N/mm <sup>2</sup> | ≤ 1.20              |
| Elongation                              | ASTM D 412  | %                 | ≤ 850               |
| Young's Modulus                         | ASTM D 412  | MPa               | ≤ 0.22              |
| Service Temp.                           |             | °C                | -20 to +220         |

*Note:*

\* Curing time (Skin Over Time & Tack Free Time) may vary depending on climatic condition during application.

\* Information on this data sheet is subject to change without prior notice and should not be used for writing specifications.



### TYPICAL USES

- Window and door sealing
- Vinyl siding sealing
- General Sealing and waterproofing
- General construction
- Vinyl, aluminum, and metal siding
- Metal building and portable housing applications.
- Glass glazing
- Sealing and bonding on porous substrate

### KEY FEATURES

- Non-sag
- Ready gunnability at low (+5°C) and high (+40°C) temperature
- Quickly becomes tack free



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|                               |   |
|-------------------------------|---|
| <b>COLORS</b>                 | <b>DOLPHIN 125 WINDOWS AND DOORS SILICONE SEALANT</b> is available in Clear, White, Black and Grey. RAL* colors are available upon request.<br>*Special color orders may require lead time and minimum order quantities.  |
| <b>PACKAGING</b>              | <b>DOLPHIN 125 WINDOWS AND DOORS SILICONE SEALANT</b> is available in standard caulking cartridges (280 ml) and 200 Liter drum.   |
| <b>SURFACE PREPARATION</b>    | The substrate areas that will be in contact with sealant must be clean, dry and free of all loose materials, dust, dirt, rust, oil and other contaminants. Non - porous substrates should be cleaned with a solvent and a clean, lint - free, cotton cloth. Wipe dry immediately with another such cloth before the solvent evaporates from the surface.                    |
| <b>JOINT DESIGN</b>           | The movement capability of the sealant must be considered to decide the joint design. In order to reduce the deformations of the joints, depth must be less than width. Depths should be preferably half of the width and it's adjusted by the use of a backup material.  |
| <b>TOOLING AND FINISHING</b>  | Immediately tool sealant after application and before skin formation. Tooling of sealant should be done in one continuous stroke. Remove masking tape immediately after tooling is completed.   |
| <b>CLEANUP AND REMOVAL</b>    | Uncured sealant may be removed from tools, equipment and non-porous surfaces with solvents. For porous substrates, allow the sealant to cure before removal by peeling or other mechanical means. Cured sealant can only be removed mechanically.   |
| <b>LIMITATIONS</b>            | Not paintable. May not be suitable to join sensitive natural stones such as marble, granite or quartz, as this may cause staining. Not be used in contact with metals such as lead, copper, brass or zinc as it may cause to corrode. Substrate compatibility test is always recommended.   |
| <b>STORAGE AND SHELF LIFE</b> | When stored in original unopened container at or below 77°F (25°C) in dry warehouse conditions, <b>DOLPHIN 125 WINDOWS AND DOORS SILICONE SEALANT</b> has a shelf life of 15 months from manufacturing date. Containers should always be kept sealed when not in use.   |
| <b>HANDLING PRECAUTIONS</b>   | Use in well-ventilated area. Direct contact of uncured sealant irritates eyes and may irritate skin. Over exposure to vapor may irritate eyes, nose and throat. Do not handle contact lenses with sealant on hands. In case of eye contact, flush eyes with water for 15 minutes. Obtain medical attention. In case of skin contact, remove from skin and flush with water. |

**KEEP OUT OF REACH OF CHILDREN • KEEP CONTAINER TIGHTLY CLOSED • FOR INDUSTRIAL & PROFESSIONAL USE**

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made. AMI reserves the right to change the properties of its products without notice.

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