

TECHNICAL DATA SHEET

DOLPHIN 125 Universal Silicone Sealant

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PRODUCT DESCRIPTION

Dolphin 125 Acetoxy silicone is a versatile multipurpose construction sealant that is single component acetic cure silicone which cures to atmospheric moisture to form a high strength, durable and elastic rubber seal. It has been formulated to offer outstanding primer less adhesion to most common building materials including vinyl, galvanized aluminum, galvanized steel, concrete, painted wood, ceramic and glass. It can be applied and tooled under many weather conditions. Dolphin 125 Universal silicone has Mould and Fungal resistance properties.

TECHNICAL PROPERTIS



Properties	Test Method	Unit	Specifications
Chemical Base			1-C Silicone
Cure Mechanism			Moisture
Cure Type			Acetoxy
As Supplied @ 25°C, 50% RH			
Color			Clear, White, Black
Consistency			Homogeneous paste
Density	ASTM D 1475		0.97 ± 0.02
Flow Properties	ASTM C 639	mm	0 (Non-sag)
Skin Over Time	ASTM C 679	minutes	Approx. 5 - 7
Tack Free Time	ASTM C 679	minutes	Approx. 8 - 12
Depth Cure, 24 hrs	Lab Test	mm	~ 2.2
As Cured – 7 Days @ 25°C, 50% RH			
Hardness (Shore A)	ASTM D 2240	Points	16 – 20
Tensile Strength	ASTM D 412	N/mm ²	< 1.20
Elongation	ASTM D 412	%	≤ 850
Young's Modulus	ASTM D 412	MPa	< 0.22
Service Temp.		°C	-20 to +220
Application Temp.		°C	5 to 45

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

- Interior Applications Only
- Sealing construction joints in concrete structures
- Sealing masonry joints, balcony, window, and door perimeter joints
- Galvanized metal joints
- Galvanized aluminium angle joints
- Pinhole and shower screen repair

KEY FEATURES

- High-Flexibility
- Multi-Purpose

COLORS	DOLPHIN 125 UNIVERSAL SILICONE SEALANT is available in Clear, White, Black and Grey. RAL* colors are available upon request. *Special color orders may require lead time and minimum order quantities.
PACKAGING	DOLPHIN 125 UNIVERSAL SILICONE SEALANT is available in collapsible tube (90ml), standard caulking cartridges (280 ml) and 200 Liter drum.
SURFACE PREPARATION	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.
JOINT DIMENSIONS	Joint dimensions: Min. width for joints: 5 mm, Max. width for joints: 30 mm, Min. depth for joints: 5 mm. Recommendation Sealing jobs: Joint width= 2 X Joint depth
JOINT DESIGN	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.
TOOLING AND FINISHING	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.
CLEANUP AND REMOVAL	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.
LIMITATIONS	Not paintable. May not be suitable to join sensitive natural stones such as marble, granite or quartz, as this may cause staining. Not to be used in contact with sensitive metals such as lead, copper, brass, zinc, carbon steel, galvanized iron or magnesium as corrosion may occur during acetic acid release/sealant cure. Substrate compatibility test is always recommended.
STORAGE AND SHELF LIFE	When stored in original unopened container at or below 77°F (25°C) in dry warehouse conditions, DOLPHIN 125 UNIVERSAL SILICONE SEALANT has a shelf life of 15 months from manufacturing date. Containers should always be kept sealed when not in use.
HANDLING PRECAUTIONS	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

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