



WORLD-CLASS CHEMICALS

TECHNICAL DATA SHEET

DOLPHIN 500 NEUTRASEAL SEALANT

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PRODUCT DESCRIPTION

Dolphin 500 Neutralseal sealant is a versatile neutral oxime grade, one component, non – slump, 100% polymer which cures to form a high strength durable and elastic rubber seal with excellent adhesion. It is perfectly formulated for sanitary and general construction applications. It is an anti – fungal silicone which forms permanent bonding after curing. It has non – corrosive property and 50% joint movement capability. This product is odorless, resistant to UV & Water.

TECHNICAL PROPERTIES



Properties	Test Method	Specifications
Chemical Base		1-C Silicone
Cure Mechanism		Moisture
Cure Type		Neutral
As Supplied @ 25°C, 50% RH		
Color		Clear, White, Black
Consistency		Homogeneous paste
Density	ASTM D 1475	1.01 ± 0.01 g/ml
Flow Properties	ASTM C 639	0 (non-sag) mm
Skin Over Time	ASTM C 679	Approx. 5 minutes
Tack Free Time	ASTM C 679	Approx. 10 minutes
Depth Cure, 24 hrs.	Lab Test	~ 2.5 mm
As Cured – 7 Days @ 25°C, 50% RH		
Hardness (Shore A)	ASTM D 2240	24 – 28 Points
Tensile Strength	ASTM D 412	< 1.10 N/mm ²
Elongation	ASTM D 412	≤ 750 %
Young's Modulus	ASTM D 412	< 0.30 MPa
Service Temp.		-40 to +250 °C
Application Temp.		5 – 45 °C

(Information on this data sheet is subject to change without prior notice and should not be used for writing specifications)
(Curing time (Skin Over Time & Tack Free Time) may vary depending on climatic condition during application)

TYPICAL USES

- Sealing of expansion joints in concrete, brickwork, curtain wall construction
- Kitchen, bathrooms, and showers. General sealing and waterproofing
- General construction, vinyl, aluminum, and metal sliding
- General Construction
- Suitable for internal application
- Metal Building and Portable Housing Applications

KEY FEATURES

- 100% Polymer
- Excellent Adhesion
- Negligible Shrinkage
- Non-corrosive & odorless
- Non-stain



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<ul style="list-style-type: none"> • Nonstructural Glazing applications • Mirror & Glass fixing/sealing application 	
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Color	Dolphin 500 Neutralseal 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 500 Neutralseal Sealant is available in standard caulking cartridges (280ml), packed sausages (600ml) 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
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.
Application instruction	Cut nozzle in V-shape and at a sharp angle slightly wider than the desired bead. Screw nozzle on the cartridge. Can easily be extruded with a hand- or air pressure gun at temperatures between +5°C and 35°C.
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.
Limitation	Not paintable.
Storage and shelf life	When stored in original unopened container at or below 77°F (25°C) in dry warehouse conditions, Dolphin 500 Neutralseal Sealant has a shelf life of 18 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 may irritate eyes and 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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