



DOLPHIN 500 NEUTRASEAL SILICONE SEALANT

DOLPHIN 500 NEUTRASEAL SILICONE SEALANT is a high performance one-part moisture curing RTV (room temperature vulcanizing) silicone sealant that cures upon exposure to atmospheric moisture to form a tough, high modulus rubber. It has a long term flexibility and durability with excellent adhesion properties most ideal for use in confined work areas since no objectionable odors are evolved.



TECHNICAL PROPERTIES

Properties	Test Method	Unit	Specifications
Chemical Base			1-C Silicone
Cure Mechanism			Moisture
Cure Type			Neutral
<i>As Supplied @ 25°C, 50% RH</i>			
Color			Clear, White, Black
Consistency			Homogeneous paste
Specific Gravity	ASTM D 1475		1.01 ± 0.01
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	~ 2.5
<i>As Cured – 7 Days @ 25°C, 50% RH</i>			
Hardness (Shore A)	ASTM D 2240	Points	24 – 28
Tensile Strength	ASTM D 412	N/mm ²	≤ 1.10
Elongation	ASTM D 412	%	≤ 750
Young's Modulus	ASTM D 412	MPa	≤ 0.30
Service Temp.		°C	-40 to +250

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

- OEM applications (depending on substrates)
- RV construction
- Confined work areas that require less odor
- General sealing and waterproofing
- General construction
- Vinyl, aluminum and metal siding
- Metal building and portable housing applications
- Glazing
- Good adhesion to glass, wood, ceramic, stainless steel and many plastics

KEY FEATURES

- Non-corrosive
- Neutral cure/low odor
- VOC compliant
- Non-sag, may be applied to horizontal, vertical and overhead surfaces
- Extremely durable
- Primerless adhesion to most materials
- Low shrinkage



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COLORS	DOLPHIN 500 NEUTRASEAL 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 500 NEUTRASEAL SILICONE 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.
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.
STORAGE AND SHELF LIFE	When stored in original unopened container at or below 77°F (25°C) in dry warehouse conditions, DOLPHIN 500 NEUTRASEAL SILICONE 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

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.

AL MUQARRAM INSULATION MATERIALS INDUSTRY, LLC

P.O. Box: 24753, Sharjah, UAE

Phone: + 971 6 5353796

Fax: +971 6 5353964

E-mail: info@muqarram.com, sales@muqarram.com