

TECHNICAL DATA SHEET

DOLPHIN Duct Acrylic Sealant

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PRODUCT DESCRIPTION

Dolphin Duct Acrylic Sealant is a single component; high-performance sealant and ideal to use in HVAC applications. Dolphin Duct Acrylic Sealant provides excellent strength, bonding and forms a strong seal against air leakage. The product is acrylic emulsion-based hence, eco-friendlier and paintable after full cure.

TECHNICAL PROPERTIS



Properties	Test Method	Unit	Specifications
Chemical Base			1-C Acrylic
Cure Mechanism			Air Drying
<i>As Supplied @ 25°C, 50% RH</i>			
Color			White, Grey
Consistency			Homogeneous paste
Density	ASTM D 1475		1.68 ± 0.02
Flow Properties	ASTM C 639	mm	0 (Non-sag)
Tack Free Time	ASTM C 679	minutes	5 – 10
<i>As Cured – 21 Days @ 25°C, 50% RH</i>			
Hardness (Shore A)	ASTM D 2240	Points	55 – 75
Full Cure Time	Lab Test	Weeks	2 – 3
Service Temp.		°C	+5 to +85
Application Temp.		°C	10 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

- Sealing pipe joints
- Ductwork
- Ductwork seams
- HVAC application

KEY FEATURES

- Paintable
- Non-Cracking
- Recommended for HVAC

COLORS	DOLPHIN DUCT ACRYLIC SEALANT is available in White and Grey color. *Special color orders may require lead time and minimum order quantities.
PACKAGING	DOLPHIN DUCT ACRYLIC SEALANT is available in standard caulking cartridges, buckets and drums
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 clean cloth before the solvent evaporates from the surface.
TOOLING AND FINISHING	DOLPHIN DUCT ACRYLIC SEALANT should only be used where slight joint movement is anticipated. For extremely deep joints, use foam joint filler. Tool sealant after application and before tack-free skin formation. Tooling of sealant should be done in one continuous stroke. Use masking tape adjacent to joint to obtain a cleaner joint. Remove masking tape immediately after tooling.
CLEANUP AND REMOVAL	Excess caulk should be cleaned off tools and non-porous surfaces while it is in the uncured state using a wet cloth. Cured sealant can only be removed mechanically.
PAINTABILITY	A minimum of 2 hours dry time is required before painting with latex or oil- based paint. Allow extra dry time during periods of high humidity
STORAGE AND SHELF LIFE	When stored in original unopened container at or below 77°F (25°C) in dry warehouse conditions, DOLPHIN DUCT ACRYLIC SEALANT has a shelf life of 24 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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