

TECHNICAL DATA SHEET

DOLPHIN DUCT ACRYLIC SEALANT

Revision Date: 1st April 2021

Revision No: 03

Number of Pages: 2

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 PROPERTIES



Properties	Test Method	Specifications
Chemical Base		1-C Acrylic
Cure Mechanism		Air Drying
As Supplied @ 25°C, 50% RH		
Color		White, Grey
Consistency		Homogeneous paste
Density	ASTM D 1475	1.68 ± 0.02 g/ml
Flow Properties	ASTM C 639	0 (non-sag) mm
Tack Free Time	ASTM C 679	Approx. 5-10 minutes
As Cured – 7 Days @ 25°C, 50% RH		
Hardness (Shore A)	ASTM D 2240	55-75 Points
Full Cure Time	Lab Test	2-3 Weeks
Service Temp.		+5 to +85 °C
Application Temp.		10 – 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 pipe joints
- Ductwork
- Ductwork seams
- HVAC application

KEY FEATURES

- Paintable
- Non-Cracking
- Recommended for HVAC



WORLD-CLASS
CHEMICALS

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.
Paint ability	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

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.

