



## DOLPHIN FIX & SEAL HIGH TACK

**DOLPHIN FIX & SEAL HIGH TACK** is an elastic adhesive formulated based on hybrid technology. It has extreme initial tack with high strength that is suitable for wide range of applications both for indoor and outdoor uses.



### TECHNICAL PROPERTIES

Properties	Test Method	Unit	Specifications
Chemical Base			1-C Hybrid
Cure Mechanism			Moisture
Cure Type			Neutral (Hybrid)
<i>As Supplied @ 25°C, 50% RH</i>			
Color			White
Consistency			Homogeneous paste
Specific Gravity	ASTM D 1475		1.55 ± 0.01
Flow Properties	ASTM C 639	mm	0 (Non-sag)
Skin Over Time	ASTM C 679	minutes	Approx. 6
Tack Free Time	ASTM C 679	minutes	Approx. 10
Depth Cure, 24 hrs	Lab Test	mm	~ 3.5
<i>As Cured – 7 Days @ 25°C, 50% RH</i>			
Hardness (Shore A)	ASTM D 2240	Points	65 – 70
Tensile Strength	ASTM D 412	N/mm <sup>2</sup>	≤ 2.30
Elongation	ASTM D 412	%	≤ 400
Young's Modulus	ASTM D 412	MPa	≤ 1.20
Service Temp.		°C	-40 to +90

*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

- Construction and building applications where high bonding strength and fast crosslinking is required.
- Works for general indoor and outdoor sealing and bonding applications.
- Wide variety of substrates including wood, metals, PVC, plastics, stone and concrete
- Elastic bonding for industrial use as well as car and container industry.

### KEY FEATURES

- High initial tack and fast curing.
- Excellent adhesion and bonding strength with high mechanical properties.
- Paintable with water based paints.
- Non-corrosive to metals.
- Excellent resistance to weather and UV.



## DOLPHIN FIX & SEAL HIGH TACK

<b>COLORS</b>	<b>DOLPHIN FIX &amp; SEAL HIGH TACK</b> is available in White color. RAL* colors are available upon request. *Special color orders may require lead time and minimum order quantities.
<b>PACKAGING</b>	<b>DOLPHIN FIX &amp; SEAL HIGH TACK</b> is available in standard caulking cartridges and packed sausages (600 ml).
<b>SURFACE PREPARATION</b>	Ensure that the surface to be sealed is clean, dry, sound and grease free. Metals should be cleaned with a non-oily solvent soaked clean cloth. Solvent should be wiped from the surface with a clean dry cloth. Use an alcohol such as methylated spirits on glass. When used on remedial work, all existing sealant must be removed. Porous substrates such as concrete, brickwork, mortar etc. must be mechanically cleaned of loose particles using a steel brush, sanding disc or any similar means.
<b>APPLICATION INSTRUCTION</b>	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.
<b>TOOLING AND FINISHING</b>	Extrude adhesive with a gun and tool with a round spatula to spread the adhesive.
<b>CLEANUP AND REMOVAL</b>	Uncured adhesive may be removed from tools, equipment and non-porous surfaces with solvents. For porous substrates, allow the adhesive to cure before removal by peeling or other mechanical means. Cured adhesive can only be removed mechanically.
<b>LIMITATIONS</b>	Not suitable for use in combination with chlorides such as swimming pools. Not recommended for structural glazing. Preliminary tests for substrate compatibility is recommended if doubts on suitability exists.
<b>STORAGE AND SHELF LIFE</b>	When stored in original unopened container at or below 77°F (25°C) in dry warehouse conditions, <b>DOLPHIN FIX &amp; SEAL HIGH TACK</b> has a shelf life of 12 months from manufacturing date. Containers should always be kept sealed when not in use.
<b>HANDLING PRECAUTIONS</b>	Use in well-ventilated area. Direct contact of uncured sealant may irritate eyes and skin. Do not handle contact lenses with sealant on hands. 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](mailto:info@muqarram.com), [sales@muqarram.com](mailto:sales@muqarram.com)