



DOLPHIN FIX & SEAL NAIL FREE

DOLPHIN FIX & SEAL NAIL FREE is a general purpose adhesive for general construction work both for interior or exterior applications.

DOLPHIN FIX & SEAL NAIL FREE is a gunnable, synthetic rubber based adhesive with excellent green strength, flexibility, excellent resistance to slump and temperature.



TECHNICAL PROPERTIES

| Properties | Unit | Specifications |
|------------------------|-------------------|--|
| Color | | Beige or Khaki |
| Appearance | | Thixotropic heavy paste-like consistency |
| Odor | | Solvent |
| Working Time | minutes | 5 – 10 depending on temp. |
| Open (reposition) Time | minutes | 20 - 30 depending on temp. |
| Full cure | hours | 12 – 17 depending on temp. & thickness |
| Specific Gravity | g/cm ³ | 1.40 |
| Viscosity | cps | 400,000 – 500,000 |
| Chemical Resistance | | Very good |
| Solid Content | % | 80 ± 2 |
| Service Temp. | °C | -30 to +140 |

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

- Contact adhesive for installation of wall and floor panels.
- Adhesion of metal, timber & other sheets of plan materials to concrete, plaster or other rigid surfaces.
- Bonding applications where high strength is required.
- Timber, metal, cementitious and plaster sheets to timber or metal studs.
- Installation to brick, masonry or concrete walls.
- General purpose construction adhesive.

KEY FEATURES

- Nail-free adhesive for general construction
- Excellent adhesive property
- High bond strength
- Excellent temperature resistance
- Excellent chemical resistance
- Bonds a variety of construction and building materials
- Ideal for interior and exterior applications



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| PACKAGING | DOLPHIN FIX & SEAL NAIL FREE is available in 320 grams paper caulking cartridge, 12 pcs per carton. |
| COVERAGE | 12 lineal meters of 6 mm bead from a 320 gram cartridge. |
| PRECAUTIONS | Always test for product compatibility prior to use. Veneer plywood can be affected by solvent soaking through the ply and might cause bubbling of the veneer. |
| APPLICATION INSTRUCTIONS | <p>DOLPHIN FIX & SEAL NAIL FREE can be applied either as one-way method or a two-way method adhesive. For both applications, the initial requirement is that surfaces to be bonded must be clean and dry and free of grease, oil or dust. Before application, loose materials or flaking paint must be removed and sanded lightly. Surface temperatures of substrates should not exceed 30°C and the product should not be used where continuous exposure to elevated temperature occurs. Apply a 4-6mm bead of adhesive to substrate with a cartridge or extrusion gun with a notched towel. Beads should not exceed 45cm apart and butt joints should be adhered on both panel edges. Surfaces should be bonded together immediately.</p> <p>One-Way Method</p> <ul style="list-style-type: none"> • This method for heavy panels or those that are formed to place a loading or stressed memory on the bond line. • After application and bonding substrates together, they should be sufficiently clamped, nailed or screwed for maximum surface contact. • Mechanical fasteners should be retained if highly stressed; but temporary fastening can be released after a minimum of 24 hours. • For flooring applications, manufacturer’s specifications should be followed. • To stop floor squeaking, apply a bead of adhesive into the groove of each board after it is laid and immediately prior to mating the tongue from the next panel or board. <p>Two-Way Method</p> <ul style="list-style-type: none"> • After application, press firmly over entire surface to transfer adhesive and then pull both surfaces apart. • Allow to tack off for 3-5 minutes (depending on ambient weather conditions) and then reposition and press Together firmly. • Bonded areas should be tapped with a hammer via a padded block to ensure firm contact. • Depending on the weather conditions and substrates, 12-72 hours is required to reach maximum bond strength. • Some weighted panels may require temporary mechanical fastening that should be retained for at least this period. |
| CLEANUP AND REMOVAL | Any wet or partially wet adhesive can be removed with scraping and acetone solvent. Dried adhesive is best removed mechanically or with a scraper or by sanding. |

**DOLPHIN FIX & SEAL NAIL FREE****STORAGE**

Stored in original unopened container at or below 25°C, in cool, dry condition, away from direct sunlight and in a well-ventilated area. Keep containers securely sealed. Storage outside these parameters may dramatically reduce its shelf life.

HEALTH AND SAFETY

Use with adequate ventilation. If working in an area with poor ventilation or in a confined area, recommend a mask be worn. Avoid eye and skin contact and avoid breathing in vapor. Always wash hands before breaks and after finishing work. In case of skin contact, wipe off excess and remove contaminated clothing immediately and flush with soap and water.

Full details are available on the product Safety Data Sheets. To ensure no harm is caused to persons using AMI products, it is recommended that the appropriate Safety Data Sheets are read by all concerned. Visit www.muqarram.com for copies.

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.

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