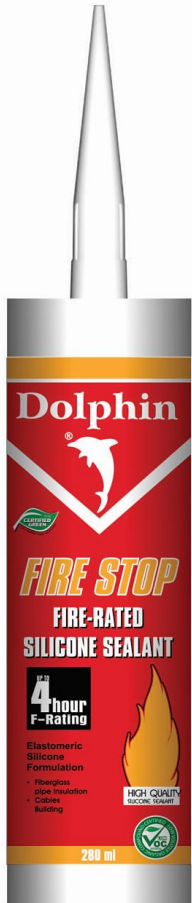




DOLPHIN FIRE STOP SILICONE SEALANT

DOLPHIN FIRE STOP SILICONE SEALANT is a single component, neutral cure, gun-grade silicone fire stopping sealant. It is an elastomeric, high performance sealant capable of meeting the joint movement requirements in a fire rated joint.

DOLPHIN FIRE RATED SILICONE SEALANT is tested for up to 4 hour fire-rating at independent laboratories and is approved for both trough penetrations and joint applications.



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			Grey, White, Black
Consistency			Homogeneous paste
Specific Gravity	ASTM D 1475	g/cm ³	1.18 ± 0.02
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. 12
Depth Cure, 24 hrs	Lab Test	mm	~ 2.4
<i>As Cured – 7 Days @ 25°C, 50% RH</i>			
Hardness (Shore A)	ASTM D 2240	Points	30 – 35
Tensile Strength	ASTM D 412	N/mm ²	≤ 0.50
Elongation	ASTM D 412	%	≤ 500
Young's Modulus	ASTM D 412	MPa	≤ 0.30
Service Temp.		°C	-40 to +160

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

- Classified for sealing fire rated service penetrations and construction joints in horizontal and vertical fire.
- Penetrations: steel, copper and EMT pipe.
- Fiberglass pipe insulation
- Construction joints
- Cable penetrations
- Building Assemblies: concrete and CMU,
- Gypsum wall board

KEY FEATURES

- Approved with 4-hour fire-rating
- 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



DOLPHIN FIRE STOP SILICONE SEALANT

COLORS	DOLPHIN FIRE STOP SILICONE SEALANT is available in White, Black and Grey. RAL* colors are available upon request. *Special color orders may require lead time and minimum order quantities.
PACKAGING	DOLPHIN FIRE STOP 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.
APPLICATION INSTRUCTION	Cut nozzle to desired bead size. Insert cartridge into standard caulking gun. For a smooth seal, hold at 45° angle and apply by pushing sealant ahead of nozzle. Apply at 5°C to 45°C to ensure good adhesion. Make sure that DOLPHIN FIRE STOP SILICONE SEALANT makes complete contact with the entire surface of the opening and also the surface of the penetrating items. Always follow cartridge directions. Clean the area to be treated so that it is free of all particles and debris. For large openings, PE rod, ceramic wool and mineral wool fibers can be used as a backer to help hold the product in place until cured.
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. Transportation temperature should be 5°C to 40°C.
STORAGE AND SHELF LIFE	When stored in original unopened container at or below 77°F (25°C) in dry warehouse conditions, DOLPHIN FIRE STOP SILICONE SEALANT has a shelf life of 12 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.

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