

Dolphin PIR Adhesive

ADVANTAGE

- Safe and suitable for use on PIR foam and fiber glass to metal.
- Free from benzene, xylene and ethyl acetate. It doesn't contain harmful solvent.
- Applied easily by roll, brush or spray.
- Good resistance to ageing
- High initial tack/green strength.

APPLICATIONS

- Can be used in wide varieties of foams and metal substrates.
- Recommended for HVAC applications.
- Under deck insulation
- Duct insulation (nitril rubber to metal)

DESCRIPTION

DOLPHIN PIR Contact Adhesive based on SBS Polymer. Dolphin PIR bonding with varieties of foams and metal substrates in pre-insulated duct system.

TYPICAL PROPERTIES

Test Method	Properties	Unit	Specification
Lab Test	Color	Visually	Yellow
Lab Test	Appearance	Visually	Yellow Liquid
Lab Test	Drying Time	min	3 – 5
Lab Test	Open Time	min	15 – 20
ASTM D 1475	Specific Gravity	g/cm ³	0.90 ± 0.5
ASTM D 1084	Viscosity @ 25°C, S3, rpm-20	cPs	500 – 650
ASTM D 2369	Solid Content	%	40 ± 3
ASTM D 6411	Service Temp	°C	
Lab Test	Full Cure Time	Hours	24
ASTM C 1184-05	Shelf Life	Month	12
Lab Test	Coverage (0.1–0.2 mm wet film thickness)	m ² /L	15
ASTM D 3278	Flammability		Flammable (wet product)

Note:

**Curing time (Drying Time and Open Time) may vary depends 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*

*For additional information on specific applications, contact
AL MUQARRAM INSULATION INDUSTRY L.L.C.*

Dolphin PIR Adhesive

CURED MECHANISM

Dolphin PIR Adhesive cures by allowing solvent to evaporate in normal atmospheric conditions.

PREPARATION

All surface must be clean, dry and free from dust, paint, loose material, oil, grease, sealers, curing compounds, waxes and all contaminations. Apply adhesive evenly with any suitable equipment to uniform coat on both surface. Allow solvent to evaporate completely and then assemble the surface by applying normal hand pressure to give strong bond. Do not leave any air bubble on both applied surface.

COLORS

Dolphin PIR Adhesive is available in Yellow color. Other colors such as Green, Black and Blue are available upon request.

SHIPPING LIMITATIONS

None.

PACKAGING

Dolphin PIR Adhesive is available in 3 Liter can, 5 Liter can and 20 Liter pails.

STORAGE AND SHELF LIFE

Should be stored tightly closed and away from direct sunlight in a cool, well-ventilated area between 5°C to 38°C. Close container tightly when not in use. Store away from ignition sources. Stirring required before use and if the product become very cold. **Dolphin PIR Adhesive** has a shelf life of 12 months from date of manufacturing.

USERS PLEASE READ

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.

CAUTION

The product is flammable. Keep it away from heat, sparks, open flame and other ignition source as vapors may ignite explosively. Use only in well ventilated areas. The product should not be swallowed or allowed to come in contact skin and eyes. Use of suitable protective gloves and goggles is advisable. If eyes are affected with adhesive, rinse it with excess amount of clean fresh water and seek for medical advice. If swallowed, seek medical attention immediately and do not induce vomiting help.

KEEP OUT OF REACH OF CHILDREN.