



DOLPHIN PU FOAM

DOLPHIN PU FOAM which is based on moisture curing polyurethane, containing safety propellant, is used to seal gaps and crevices. The foam that dispenses from aerosol can is moisture cured and draws humidity from the air for cure. PU Foam is widely used from filling joints between walls, ceilings, floors and gaps around pipes, windows and doorframes. **DOLPHIN PU FOAM** is cost efficient. It has remarkable weather resistance, multi-purpose use.



TECHNICAL PROPERTIES

Properties	Specifications
Basic Component	Polyurethane
Type	Gun type and straw type
Appearance	Foam
Color	Light Yellow
Tack-Free Time (min)	8 – 10
Cutting Time (min)	60 (+25°C)
Density (kg/m ³)	16 – 20
Yield (L)	45 (60 times) for standard packing
Thermal Conductivity [mW/(m-K)]	< 34
Adhesive Strength (kPa)	> 80
Compressive Strength (kPa)	> 30 (10%)
Close Cell Contents %	45 – 52
Water Absorption (up to 24h)	≤ 1.5% (no epidermis)
Fire Class of Cured Foam	B3
Dimensional Stability (23°C)	0-1.0% (foaming direction) 0-1.8% (flat direction)
Service temperature range of cured foam °C	-40 to +100
Processing temperature range °C	-10 to +35
Shelf life (month)	24

Note:

* Curing 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.



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TYPICAL USES

- Mounting of window and door frames.
- Sealing of all types of cracks and holes.
- Insulation of water-pipe network, central heating.
- Soundproofing of partition walls, car and boat cabins, etc.

KEY FEATURES

- Economically insulates, fills, seals and bonds
- Easy to use
- Bonds to and seals most popular construction materials, wood, concrete, plaster, plumbing, etc.
- Excellent for interior and exterior applications
- Durable airtight seal – stops air infiltration, drafts and energy loss.
- High insulating value – saves energy and money.
- Contains no CFC’s, no HCFC’s, Ozone friendly
- Cured PU foam is non-toxic

DIRECTIONS FOR USE

PREPARATION FOR USE:

Substrate must be clean, firm, free of loose particles and free of dust, grease and mold release agents. Surfaces not to be foamed must be protected. Shake cans well before use.

HOW TO USE:

- Shake can well to make the foam ready for use
- Clean the substrate and spray some water on it
- Screw foam dispenser on tightly and turn can upside down
- Vertical fills the gaps from the bottom upwards
- Foam is tack-free (dry to the touch) in 7 to 15 minutes in temperatures between +18°C and +25°C (65°F - 77°F). Higher temperatures will result in faster curing times.
- Remove fresh foam over spray with Foam Cleaner or solvents such as acetone. Cured foam can only be removed mechanically.

Remarks: For gun/professional foam, an additional foam gun dispenser is needed to spray (needs to buy separately). In such case, you may also need to buy foam cleaner to clean the gun and adapter after use.

PACKAGING

DOLPHIN PU FOAM is available in 330 ml and 750 ml metal cans.

STORAGE AND SHELF LIFE

Store in cool, dry area. Do not expose to open flame. Excessive heat can cause premature aging of components resulting in shorter shelf life. Foam is reusable by following product instructions. Keep in upright position. Shelter from direct sunlight. Do not expose to temperature exceeding 50°C. Do not pierce or burn even after use.

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DOLPHIN PU FOAM has a shelf life of 24 months from date of manufacturing.

HANDLING PRECAUTIONS

Contents are under pressure. Do not puncture or incinerate. Do not place in hot water or near radiators, stoves or other sources of heat. Use only in well-ventilated areas. NIOSH approved positive pressure supplied air respirator is recommended if exposure guidelines may be exceeded. Wear impervious gloves, protective eye wear and suitable work clothes when using and do not draw them off until the while procedure is finished. No smoking during the whole spraying procedure. Read all instructions and safety information (MSDS) prior to use of any product. The product contains no formaldehyde. Cured foam is non-toxic.

NOTE

Physical properties shown are typical and are to serve only as guide for engineering design. Results are obtained from specimens under ideal laboratory conditions and may vary upon use, temperature and ambient conditions. Right to change physical properties as a result of technical progress is reserved. This information supersedes all previously published data. Yields shown are based on theoretical calculations and will vary depending on ambient conditions and particular application. Read all product direction and safety information before use. Consult local building codes for specific requirements regarding the use of cellular plastics or urethane products in construction.

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, sales@muqarram.com