



DOLPHIN PU FOAM

DOLPHIN PU FOAM is a high quality component polyurethane foam and have excellent properties in bonding strength that adheres to a wide range of surfaces. Used in building insulation that can fill and enclose spares between roof tiles, concrete slabs, wall cavities, drilled holes, frame construction, gaps around windows and other substrate. It's a single component, moisture-curing and self-expanding polyurethane foam. **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)	Max. 15 mins
Cutting Time (min)	60 (+25°C)
Density (kg/m ³)	16 – 20
Yield (L)	35 – 50 L
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 nontoxic

DIRECTIONS FOR USE

- Shake can vigorously for 45 to 60 seconds before and between uses.
- Clean Surfaces of dirt greases and dust. Protect adjacent surfaces with tape or plastic film.
- Remove the seal cap and put clean nozzle spray.
- Hold the cylinder upside down and dispense slowly. Fill opening only 50 % full to allow proper expansion.
- Foam begins to cure after 10 minutes. Wait for 1 hour before doing next step.
- Use a knife to smooth and trim excess foam. Recommended single layer thickness is 5-8 cm. Several layers may apply with minimum of 12 hours gap.
- Over filling and PU foam drops can be cleaned with paint thinner acetone or Toluene or Nail polish remover.
- For best result apply Hi Stick PU Foam with recommended temperature from +5°C to +30°C
- When opening New PU foam can, consume full quantity within 2 hours to avoid clogging of cured material inside the trigger and straw line or gun lines.
- FOR SMALL GAP: Dispense PU foam slowly and fill the gap 50 % of volume and allow the foam to expand and fill the gap.
- FOR BIG GAP: Dispense the foam slowly one or two coats. Sprinkle small amount water between layers to speed up moisture cure.

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.



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PACKAGING

DOLPHIN PU FOAM is available in 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.

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.

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