

HI STICK Polyurethane Foam - TDS

Spray 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 for filling joints between walls, ceilings, floors and gaps around pipes, windows and doorframes.

Foam can be cut once fully cured, provides excellent bond to lumber, plywood, concrete, metals, masonry and other substrates.

PU Foam is cost efficient, Remarkable weather resistance, multi-purpose use such as:

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.

PRODUCT 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.

PRODUCT INFORMATION

Ingredients:

Basic Component	Polyurethane
Type	Gun type and straw type available
Appearance	Foam
Color	Light Yellow
Tack-Free Time (min)	8~10
Cutting Time (min)	30 (+25°C)
Density (kg/m ³)	16~20
Yield (L)	45(60times) for standard packing
Thermal conductivity [mW/ (m.K)]	<34
Adhesive strength (kPa)	>80
Tensile strength (kPa)	>30 (10%)
Compressive strength (kPa)	>120
Close cells content%	45~52
Water absorption (up to 24h)	≤ 1.5% (no epidermis)
Fire Class of the cured foam	B3
Dimensional stability (23°C)	0~1.0%(foaming direction) 0~1.8%(flat direction)
Environment	Contains no CFC's, no HCFC's, Ozone friendly
Toxicity of cured foam	Non-toxicity
Service temperature range of cured foam °C	-40 to +100
Processing temperature range °C	-10 to +35
Shelf life (month)	12

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 using.

HOW TO USE

1. Shake can well to make the foam ready for use

2. Clean the substrate and spray some water on it

3. Screw foam dispenser on tightly and turn can upside down

4. Vertical fills the gaps from the bottom upwards

5. 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

6. Remove fresh foam over spray with Foam Cleaner or solvents such as acetone. Cured foam can only be removed mechanically.

Remark: 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 adapter after use.

IMPORTANT NOTE

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. Wear impervious gloves, protective eye wear, and suitable work clothes when using. Read all instructions and safety information (MSDS) prior to use of any product. The product contains no formaldehyde. Cured foam is non-toxic.



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Safety Advice

Keep out of children's reach
Keep upright
Shelter from direct sunlight
Do not expose to temperatures exceeding 50°C
Do not pierce or burn even after use
No smoking during the whole spraying procedure
For safety reasons, please wear protective gloves as well as goggles before using Spray PU foam, and do not draw them off until the whole procedure is finished.

PRODUCT STORAGE

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.

ALWAYS READ ALL OPERATING, APPLICATION AND SAFETY INSTRUCTIONS BEFORE USING ANY PRODUCTS

Use in conformance with all local, provincial and federal regulations and safety requirements. Failure to strictly adhere to any recommended procedures and reasonable safety precautions shall release Manufacturer of all liability with respect to the materials or the use thereof.

NOTE: Physical properties shown are typical and are to serve only as a 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 directions and safety information before use. Consult local building codes for specific requirements regarding the use of cellular plastics or urethane products in construction.

WARNINGS: Follow safety precautions and wear protective equipment as recommended. Consult Material Safety Data Sheet (MSDS) for specific information. Use only with adequate ventilation or certified respiratory protection. NIOSH approved positive pressure supplied air respirator is recommended if exposure guidelines may be exceeded. Contents may be very sticky and irritating to skin and eyes, therefore wear protective eyewear, impervious gloves, and suitable work clothing when operating. If liquid chemical comes in contact with skin, first wipe thoroughly with dry cloth, then rinse affected area with water. Wash with soap and water afterwards, and apply hand lotion if desired. If liquid comes in contact with eyes, immediately flush with large volume of clean water for at least 15 minutes and get medical help at once. If liquid is swallowed, get immediate medical attention. Products manufactured or produced from these chemicals are organic and, therefore, combustible. Each user of any product should carefully determine whether there is a potential fire hazard associated with such product in a specific usage. KEEP OUT OF REACH OF CHILDREN.

LIMITED WARRANTY: The Manufacturer warrants only that the product shall meet its specifications: This warranty is in lieu of all written or unwritten, expressed or implied warranties and The Manufacturer expressly disclaims any warranty of merchantability, or fitness for a particular purpose. The buyer assumes all risks whatsoever as to the use of the material. Buyer's exclusive remedy as to any breach of warranty, negligence or other claim shall be limited to the replacement of the material. Failure to strictly adhere to any recommended procedures shall release The Manufacturer of all liability with respect to the materials or the use thereof. User of this product must determine suitability for any particular purpose, including, but not limited to structural requirements, performance specifications and application requirements prior to installation and after product is applied.