



# LAP Enterprise Co.,Ltd.

48/98 Moo 2, Bang Rak Yai, Bang Bua Thong, Nonthaburi 11110

Tel. 093 963 6364 Fax. 02 000 6261 e-mail : iyasilicone@yahoo.com www.iyasilicone.net

## iya Multi-Purpose Polyurethane Foam

**iya PU Foam** dispenses from the aerosol can is moisture cured and draws humidity from the air for cure. It is an economical, convenient and effective method for installing building code complaint, fire blocking in wood frame residential construction. It is used to seal concealed penetrations from floor to floor or room to room, forms a fire block and a durable, airtight and water-resistant bond. iya PU Foam bonds to weed, drywall, metal, masonry, glass and most plastics. iya PU Foam can be cut once fully cured, provides excellent bond to lumber, plywood, concrete, metals, masonry and other substrates.

**iya PU Foam** is fire rated for all-season, all weather, multi-purpose use such as :

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

### 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

### PREPARATION FOR USE :

Substrate must be clean, firm, free of loose particles and free of dust, grease and mold release agents. Surfaces not 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 8 minutes in temperatures between +18°C and +25°C. 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.

### TECHNICAL DATA :

Basic Component	Polyurethane
Type	Gun type
Appearance	Foam
Color	Light yellow
Tack-Free Time	8-10 min
Cutting Time	30(+25°C) min
Density	20-25 (kg/m <sup>3</sup> )
Yield	40-45 L
Thermal Conductivity	<20 [mW/(m·K)]
Adhesive Strength	>120 (kPa)
Tensile Strength	>30 (kPa)
Compressive Strength	>180 (kPa)
Close Cells Rate	50-60%
Water Absorption (up to 24h)	≤1.5% (no epidermis)
Fire Class	B2
Dimensional Stability (23°C)	0-0.5% (foaming direction) 0-0.8% (flat direction)
Environment	Contains no CFC's, no HCFC's, Ozone friendly
Toxicity of Cured Foam	Non-toxicity
Cured Foam Temperature Endurance	-40 to +80°C
Processing Temperature	0 to +35°C

**Remarks :** For gun 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. Water impervious gloves, protective eyewear, 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.

### 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 iya PU Foam and do not draw them off until the whole procedure is finished.

### PRODUCT STORAGEE :

Store in cool, dry area. Do not expose to open flame. Excessive heat can cause premature aging of components resulting in shorter shelf life. iya PU Foam is reusable by following product instructions.

### SHELF LIFE :

- 12 months when properly stored
- Store in cool, dry, dark place
- Keep out of reach of children