

## **FENGJING PU FOAM**

FENGJING PU FOAM is one-component polyurethane foam which expands and cures through absorption of moisture from the air. The product is recommended for mounting windows and construction projects. The product is available in gun/pipe applied version and with a manual adaptor.

### **Application Instruction**

#### **Surface Preparation**

- Surface should be cleaned of dust and mortar clods
- Surface should be sprayed with water using water sprayer
- Protect window profiles from the foam's outgrow

#### **Product Preparation**

- The can temperature should be between +10 °C to +30°C
- Optimal temperature of can is +20 °C
- If can temperature is too low, the product should be put into warm water of +30 °C for 15 minutes or left overnight in room temperature.

#### **Product Application Instruction**

- Shake the can vigorously(20-30 seconds valve down) in order to mix the components
- Screw the can onto the adaptor
- The working position is valve down
- Vertical gaps should be filled from down to up
- Do not fill the whole gap-foam grows in volume
- If you fill window or door gaps, the gaps maximum gap size should be 3 cm. Foam should not be used in gaps larger than 5 cm.
- The speed of application and the thickness of the bead should be controlled by the adequate pressure on the gun or adaptor trigger.
- If you stop the application for time longer than 5 mins, remember to shake the can before continuation of works.

#### **Finishing Works**

- The excess of foam should be cut after the foam has cured. The foam should not be pushed back into the gap when it's still uncured as it will cause structural defects and worsen insulation effect.
- After the foam has fully cured it should be protected from UV by mortar or paint.
- If you want to keep using the same can after longer time the gun and the adaptor and valve should be cleaned with the cleaner for polyurethane foams.
- Mechanical connectors recommended for doors mounting

#### **Application Conditions**

Can temperature	+10°C to +30°C
Ambient temperature	+10°C to +30°C
Surface temperature	+10°C to +30°C
Relative ambient humidity	≥60%

**Technical Parameters**

Quality	FJ-Great foam
Base	Polyurethane
Curing System	Moisture-cure
Tack Free Time (min)	5~10
Cutting Time (h)	1~2
Yield (litres)	40-45
Expansion times	55
Closed cell (%)	80
Density(kg/m <sup>3</sup> )	17
Temperature Resistance	-30~80℃
Color	White/ Light Yellow
Fire Class (DIN 4102)	B3
Thermal Conductivity w/ (m.k)	0.03
Tensile Strength(kpa)	80
Shear Strength (kpa)	85
<p>The above data is based on experiments results at 23 °C, 50% humidity Blank, which have been tested according to Fengjing's internal testing standards and its repetitiousness depend on the external conditions, application method and tools applied. Foam is a chemical product; its yield and structure may change over time. In order to obtain the best application result use of Fengjing gun is recommended. No relevant data if blank please check sample.</p>	

**Logistic Data**

Capacity	Weight	Packaging	Units/box	Units/Pallet
750ml	900 gr	Aerosol can	12	1440

\*tolerance of gross weight is 1.5%

**Storage and Transportation**

- Product must be transported and stored in temperatures + 10 to + 30℃
- Product must be kept upright at all times.