

## One-component polyurethane foam

### Description

One-component, self-expanding polyurethane foam which cures by reacting with moisture in the air. It expands twice of its original volume. ISOMAT PU-FOAM offers:

- Excellent adhesion to most common materials
- High thermal and sound insulation
- Endurance to moisture
- Great endurance to ageing

### Fields of application

ISOMAT PU-FOAM has an excellent adhesion on wood, cement, stone, metal etc. It is used for fixing door and window frames, filling holes, sealing voids on insulating materials, over pipe penetrations trough walls etc.

### Technical data

Base:	polyurethane
Color:	yellow
Density:	23-35 kg/m <sup>3</sup>
Service temperature limits of cured foam:	-55°C έως +100°C
Skin formation:	7-8 min (20°C, R.H >30%)
Curing time:	1h / 93% R.H, 18 h / RH, max 24h
Reaction to fire (DIN 4102):	B3
Shear strength:	> 3N/cm <sup>2</sup>

### Directions for use

#### 1. Substrate

Substrate must be clean and free of dust, loose particles, grease etc. Slightly dampening of the surface with water improves the temporary adhesion of foam during the application.

#### 2. Application

Before use, shake well. Remove the lid and fix tightly the plastic nozzle. During processing the can must be held inverted with the valve in bottom position. The flow of the foam is adjusted by pressuring the valve. Care must be taken not to overfill the joints as the foam will expand after the application 2-2,5 times. In order to stop the expansion of the fresh foam, it can be after the application sprayed with water.

### Consumption

One can provides up to 45 l of cured foam but the exact volume depends on temperature, relative humidity, space available for expansion etc.

### Packaging

Cans of 750 ml

### Shelf-life - Storage

12 months from production date if stored in frost-free and not high temperature conditions.

## Remarks

- Minimum application temperature is +5 °C.
- It should not be stored in temperatures above +50°C. For longer shelf-life storage temperatures above +25 °C and under -5 °C must be avoided.
- The surface to be applied may be wet but not frozen.
- Before use the cans must be remain in normal temperature conditions for at least 12 hours.
- Cured foam should be protected from UV radiation.
- Fresh foam can be cleaned using a special cleaner. The cleaner just softens the foam. Once cured the foam is cleaned only by mechanical means.
- Always stored in upright position.
- Consult the safety advice and precautions written on the packaging.

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