

Technical leaflet

ISOMAT PU-FOAM PROFESSIONAL LE

One-component, low-expansion polyurethane foam

Description

One-component, self-expanding, low-expansion polyurethane foam which cures by reacting with moisture in the air. ISOMAT PU-FOAM PROFESSIONAL offers:

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

Fields of application

ISOMAT PU-FOAM PROFESSIONAL shows excellent adhesion to wood, cement, stone, metal etc. It is used for fixing door and window frames, filling holes, sealing gaps in insulating materials, over pipe penetrations through walls, etc.

Technical data

Base:	polyurethane
Color:	yellow
Density:	18-20 kg/m ³
Service temperature limits of cured foam:	-55°C to +100°C
Film formation:	7-8 min (at 20°C, RH >30%)
Curing time:	1h / 93% RH, 18 h / 15% RH, max 24h
Reaction to fire (DIN 4102):	B3
Shear strength:	0.07Mpa

Directions for use

1. Substrate preparation

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

2. Application

Before use, shake well. Remove the lid and fix tightly the can to the special gun. During the procedure, the can must be held inverted with the special gun in bottom position. Care must be taken not to overfill the joints, as the foam will expand.

Consumption

One can provides up to 40-45 l of cured foam, but the exact volume depends on temperature, relative humidity, space available for expansion, etc.

Packaging

750 ml cans.

Shelf-life - Storage

12 months from production date, if stored in spaces protected from frost and high temperature conditions.

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Remarks

- Minimum application temperature is +5°C.
- It should not be stored at 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 remain in normal temperature conditions for at least 12 hours.
- Cured foam should be protected from UV radiation.
- Fresh foam can be cleaned with a special cleaner. The cleaner just softens the foam. Once cured, the foam can only be cleaned by mechanical means.
- Always store in upright position.
- Consult the safety advice and precautions written on the packaging.

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