

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 ageing.

Fields of application

ISOMAT PU-FOAM PROFESSIONAL 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:	18-20 kg/m ³
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 / 15%RH, max 24h
Reaction to fire (DIN 4102):	B3
Shear strength:	0,07Mpa

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 can to the special gun. During processing 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

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.

ISOMAT S.A.
BUILDING CHEMICALS AND MORTARS
MAIN OFFICES - FACTORY:
17th km Thessaloniki - Ag. Athanasios Road,
P.O. BOX 1043, 570 03 Ag. Athanasios, Greece,
Tel.: +30 2310 576 000, Fax: +30 2310 722 475
www.isomat.net e-mail: info@isomat.net