ISOMAT PU-FOAM



One-component polyurethane foam

Des<u>cription</u>

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

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

Fields of application

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

Technical data

polyurethane
yellow
23-35 kg/m ³
-55°C to +100°C 7-8 min (at 20°C, RH >30%)
1h / 93% RH, 18 h / RH, max 24h
B3 > 3 N/cm²

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 foam during the application.

2. Application

Before use, shake well. Remove the lid and fix tightly the plastic nozzle. During the process, 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 to 2-2.5 times its original volume. In order to stop the expansion of the fresh foam, you can spray it with water after the application.

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

750 ml cans.

Shelf life – Storage

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

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.



ISOMAT PU-FOAM

- Always store in upright position.
- Consult the safety advice and precautions written on the packaging.
- ISOMAT PU-FOAM is intended for professional use only.

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.eu e-mail: info@isomat.eu

The technical information and instructions supplied in this datasheet are based on the knowledge and experience of the Department of Research and Development of our company and on results from long-term applications of the product in practice. The recommendations and suggestions referring to the use of the product are provided without guarantee, since site conditions during the applications are beyond the control of our company. Therefore the user is responsible for confirming that the chosen product is suitable for the envisaged application. The present edition of this technical datasheet automatically cancels any previous one concerning the same product.

