

POLIPUR COPERTURE B2

One-part low expansion polyurethane foam for manual or gun application, even at low temperatures.

DESCRIPTION

Polipur Coperture B2 is a single-component polyurethane foam for insulation and assembly developed to create a seal between construction elements. It cures thanks to the humidity of the environment and the building material.

APPLICATION FIELDS

Developed to provide a high specific adhesive power for bonding and sealing roofs. Suitable for filling cavities, sealing openings in roof construction, creating acoustic barriers, connecting tiles to insulating material in buildings. Suitable for creating soundproofing elements around noisy motors, pumps and devices. Improves thermal insulation in cooling systems.

FEATURES

- High quality professional polyurethane foam
- Low expansion
- Suitable for applications at a minimum temperature of -5°C
- Excellent stability, no shrinkage
- High compressive and shear strength
- High thermal and acoustic performances
- Reaction to fire: class B2 (DIN 4102)
- Aerosol can 750ml available in both manual straw or automatic gun application
- Paintable

TECHNICAL DATA

Colour	Yellow
Chemical nature	PU foam
Curing mechanism	Moisture-curing
Skin-forming time [min] (23°C and 50% RH)	Ca. 12
Cutting time [min] (Thickness 2 cm)	ca. 35
Specific density [kg/m ³] (expanded)	ca. 25
Expansion [%]	60 - 80
Shrinkage [%]	<2
Tensile strength [N/cm ²] (DIN 53455)	>6,0
Compressive strength [N/cm ²] (10% - DIN 53421)	>2,5
Thermal conductivity [W/(m°K)]	Ca. 0,034
Application temperature [°C]	from -5 to +35
Temperature resistance [°C]	from -40 to +90
Sound reduction [Db] (ISO 10140)	60
Water vapour permeability [mg/(m*hPa)] (EN 12086)	<0,06

APPLICATION

Shake well before use. Well-cleaned and degreased surfaces can be moistened before application to improve adhesion and expansion; for optimal yield, operate around 20 ° C.

Screw the supplied canula, apply foam keeping the can upside-down and triggering the valve.

Pay attention to the dosage of the foam as you get almost double the volume of the applied one.

For subsequent applications, return to an upright position and dispense for a few moments; then, clean the valve with SIGILL SCIOGLIUCHIUMA.

The MATIC must be used with the specific gun: screw the can on the gun; dose the extrusion using the regulation screw.

CLEANING OF EQUIPMENT AND PERSONAL PROTECTIVE MEASURES

Attention, do not touch the foam with your hands: uncured foam can be cleaned with Scioglischiuma. When hardened, it can only be removed mechanically!

PACKAGING

Can 750 ml	12 pieces per box
Can 750 ml MATIC	12 pieces per box

STORAGE AND SHELF LIFE

Polipur Coperture B2 can be stored for 12 months in its original packaging. Storage temperature: between 10 ° C and 25 ° C in a cool and dry place. Keep away from sources of humidity, heat sources and direct contact with the sun's rays.

GENERAL INFORMATION

The information contained in this technical data sheet is to the best of our knowledge correct, being based on our knowledge and experience to date and cannot be used as a guarantee, due to the various different materials present on the market and the fact that the application conditions are not under our direct control and supervision. NPT srl, however, guarantees constant product quality. NPT srl, has the right to modify or up-date this technical data sheet according to requirements. Customers are kindly requested to verify that they are in possession of the latest version.

ALWAYS CONSULT THE MATERIAL SAFETY DATA SHEET BEFORE USING THE PRODUCT