



Spray foam insulation TECHNOMICOL MASTER

Single-component professional spray foam insulation

Product description

Spray foam insulation TECHNOMICOL MASTER is a single-component polyurethane material that is applied by spraying using a special nozzle for a standard PU foam gun (supplied with the aerosol can). Upon curing, forms a seamless thermal and sound insulating coating with uniform fine texture. The material has low thermal conductivity and excellent adhesion to most construction materials: concrete, brick, wood, metal, etc. (excluding polyethylene, polypropylene, silicone and Teflon). Gets cured under influence of moisture. Does not contain substances that deplete the ozone layer of the atmosphere.

Area of application

Spray foam insulation TECHNOMICOL MASTER is used for the creation of thermal and sound insulation layer on walls, partitions, floor slabs, foundations and other constructions with a complex geometric surface, as well as utilities (pipes, penetration elements, ventilation ducts).



Main characteristics

Properties	Performance
Weight of can, g	940±10
Volume of emitted foam with 50 mm layer thickness, m ²	up to 1
Tack-free time at (23±5)°C, min	≤ 10
Total curing time, h	≤ 24
Thermal conductivity, W/m*K	≤ 0.03
Adhesion strength, MPa:	
- with concrete	≥ 0.15
- with metal	≥ 0.07
- with wood	≥ 0.15
- with XPS	≥ 0.13

Performance of works

Application temperature range is from +5°C to +35°C. Do not apply the foam on the surface covered with frost or ice as well as on dusty or oily surfaces. The can temperature must be from +18°C to +25°C.

Moisten the application surface with a fine spray gun (10-12 pressings per 1 m²). Shake the can for at least 30 seconds before starting work, then screw the PU foam gun onto the cruciform nozzle of the can. Put on a special nozzle supplied with the can on the barrel of PU foam gun (there should be 2 clicks if installed correctly). The working position of the can is upside down. Apply in layers, with each layer moistened. Uncured foam is washed off with TECHNOMICOL foam cleaner, hardened foam is removed mechanically. After polymerization, it is necessary to protect the foam from UV and atmospheric precipitation using putty, water-based paint, etc.

NOTE: Do not use near an open flame. Work in well-ventilated areas. Avoid contact with skin and eyes.

Storage

The foam cans should only be stored and transported upright in dry conditions at a temperature from +5°C to +40°C. It is prohibited to store cans in direct sunlight and allow them to heat to a temperature above +50°C. Shelf life if all storage requirements are met: 12 months from the date of production.

Packaging information

Metal cans of 1000 ml, 12 pieces per package.