



## Fire-resistant sealing foam TECHNOMICOL 240

Special single-component polyurethane foam with improved fire-resistant properties

### Product description

Special fire-resistant sealing foam TECHNOMICOL 240 is a single-component polyurethane material that possesses a fire resistance limit of up to 240 minutes. The product is supplied in aerosol cans. It ensures great thermal and sound insulation. The sealing foam has good resistance to moisture, mold and ageing, as well as excellent adhesion to most construction materials: concrete, brick, wood, metal, etc. (excluding polyethylene, silicone and Teflon). Gets cured under influence of moisture. Does not contain substances that deplete the ozone layer of the atmosphere.

### Area of application

Fire-resistant sealing foam TECHNOMICOL 240 is used for:

- thermal and sound insulation of joints when assembling fire-resistant metal doors, gates, hatches, dampers and windows;
- sealing joints between walls and floor slabs for fire and smoke protection;
- filling voids in fire-resistant walls, partitions, etc.



### Main characteristics

Properties	Performance
Weight of can, g	950±10
Volume of emitted foam, l	up to 47
Tack-free time at (23±5)°C, min	≤ 10
Total curing time, h	≤ 24
Apparent density of the foam, kg/m <sup>3</sup>	≤ 45
Thermal conductivity, W/m*K	≤ 0.04
Compressive strength at 10% deformation, kN/m <sup>2</sup>	≥ 35
Color	From orange to red

### 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. The can temperature must be from +18°C to +25°C.

Moisten the application surface with a fine spray gun (4-6 pressings per 1 running meter of joint). Shake the can for at least 30 seconds before starting work, then screw the PU foam gun onto the cruciform nozzle of the can. The working position of the can is upside down. Apply the foam from the bottom upwards, taking into account the increase in volume (depending on environmental conditions). In case of using in joints of more than 50x40 mm, fill in layers, with each layer moistened. Wait for 20 minutes before application of each following layer. 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.

TECHNICAL DATA SHEET 01.2021