



Roofing mastic TECHNOMICOL No.21

Ready to use solvent-based roofing and waterproofing polymer-bitumen mastic

Product description

Ready to use roofing and waterproofing bitumen mastic TECHNOMICOL No.21 presents a mix of high-quality bitumen, special polymers, mineral fillers and organic solvents. After drying, it forms a high-strength waterproofing layer that considerably increases the service life of protected structures. The mastic can be used within a wide range of operating temperatures thanks to added polymers.

Area of application

Mastic TECHNOMICOL No.21 is used for:

- installation of mastic roofs and repair of old roofs;
- waterproofing of underground structures;
- waterproofing and anti-corrosion treatment of metal surfaces.



Main characteristics

Properties	Performance
Adhesion strength with the base, MPa: - with concrete - with metal	≥ 0.6 ≥ 0.9
Adhesion strength between layers, MPa: - bitumen material – bitumen material - bitumen material – concrete	≥ 0.3 ≥ 0.4
Shear strength of the adhesive bond, kN/m	≥ 4.0
Nominal strength, MPa	≥ 1.0
Elongation at break, %	≥ 500
Mass fraction of non-volatile substances, %	≥ 50
Heat resistance, °C	≥ 110
Flexibility on R=5.0±0.2 mm beam at -35°C	no cracks
Water absorption over the course of 24 h, %	≤ 0.4
Watertightness during 24 h at a pressure of 0.1 MPa	pass
Consumption for installation of 1 layer, kg/m ²	1.2-1.9

Performance of works

The mastic is applied to a surface layer by layer by brush or spatula. A layer can be also installed by pouring and leveling. The thickness of one layer should not exceed 1.5 mm. Every following layer is applied after the previous one becomes dry. Application of at least 2 mastic layers is recommended for reliable waterproofing of underground structures (2.4-3.8 kg/m²), 3 layers are recommended for installation of mastic roofs (3.6-5.7 kg/m²). Application temperature range is from -20°C to +40°C. At a temperature below +5°C keep the mastic in a warm room for at least 24 hours. Drying time under standard conditions is not more than 24 hours.

More details on installation are given in the relevant manuals of TECHNOMICOL Corporation.

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

Storage

The product should be stored in a dry place protected from direct sunlight at temperatures from -20°C to +30°C. Shelf life – 18 months.

Packaging information

Metal eurobuckets of 3, 10 and 20 kg.

TECHNICAL DATA SHEET 03.2020