



Roofing mastic TECHNOMICOL No.21

TU 5775-018-17925162-2004

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 utility structures (basements, cellars, piles, etc.);
- waterproofing and anti-corrosion treatment of metal surfaces.



Main characteristics

Indicator name	Unit	Value	Testing method
Adhesion strength with base, at least: - with concrete - with metal	MPa	0.6 0.9	GOST 26589-94
Adhesion strength between layers, at least: - rolled material – rolled material - rolled material – concrete	MPa	0.3 0.4	GOST 26589-94
Shear strength of adhesive bond, at least	kN/m	4	GOST 26589-94
Nominal strength, at least	MPa	1	GOST 26589-94
Elongation at break, at least	%	500	GOST 26589-94
Water absorption within 24h, by weight, at most	%	0.4	GOST 26589-94
Dry residue, at least	%	50	GOST R 52487 (ISO 3251:2003)
Heat resistance, at least	°C	110	GOST 26589-94
Flexibility on screed with radius 5.0±0.2 mm at temperature -35°C	-	no cracks	GOST 26589-94
Water resistance for 24h at pressure 0.1MPa	-	withstands	GOST 26589-94

Performance of works

According to the application manual of roofing mastic TECHNOMICOL No.21.

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 utility structures, 3 layers are recommended for installation of mastic roofs. 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.

Consumption for mastic roofing – 3.8-5.7 kg/m²; for waterproofing – 2.5-3.5 kg/m². Drying time under standard conditions is not more than 24 hours.

NOTE: Do not use near 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 10.2014