

BRIT® «LIQUID RUBBER» BITUMEN-EMULSION MASTIC

A specialized two-component industrial-purpose material for seamless water-proof coating, roofing arrangement, underground and above-ground structure waterproofing, industrial, civil and transport construction



Application Scope

Arrangement of seamless waterproofing protective coating for structures continuously exposed to ultraviolet, water, alkalis, oxidation, and aging: roofs, foundations, bridges, tunnels, water engineering and underground structures, wells, gutters, water drainage funnels, discharge lines, artificial ponds, etc.

The mastic may be applied on any base: concrete, artificial and natural stone, marble, shale, wood, ferrous and galvanized metals, plastics, polystyrene, glass.

Advantages

- The coating is non-susceptible to aging for 20 years.
- Can be applied on a wet base, has high adhesion to most construction materials.
- High elasticity.
- Possibility of manufacturing a seamless waterproofing coating on horizontal and vertical surfaces, as well as in hardly-accessible places and on bases characterized by rugged topography.

Composition

Modified bitumen-latex water-based low-viscosity emulsion (STO 77310225.008-2015).

Packaging

Plastic barrel, 65 kg.
Plastic barrel, 260 kg.

Characteristics

Parameter	"LIQUID RUBBER"	Standard
Coating thickness (regulated by the design, technical task, process chart)	2.0 / 4.0 / 6.0 mm	—
Shore hardness, c.u.	10	GOST 263-75
Ultimate elongation, %	1800	
Strength of cohesion with the base – concrete, MPa:	0.22	GOST 26589-94
Strength of cohesion with the base – steel, MPa:	0.20	
Water absorption, %	< 1	



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Application Technology

- Arrangement of the coating is implemented via special equipment for airless spraying: 2-channel supply of highly pressurized liquid components at a «10:1» ratio: bitumen-latex emulsion and catalyzer (10% solution of CaCl₂).
- The jelly-like airborne mixture hardens instantaneously during mixing up the components on the base surface.
- The work procedure is thoroughly described in STO 77310225.008.1-2015 «BRIT» Liquid Rubber. Bitumen-Polymer Emulsion Mastic. Application Instructions.