

COLD APPLIED BITUMEN SEALANT



BITAREL® UNIVERSAL SEALANT (MBPH)

TS BY 690590146.016-2016, STB 1262-2001

Description: BITAREL® universal sealant (MBPH) is a ready-to-use material consisting of petroleum bitumen, polymer, solvent and a structuring additive or without one.

Purpose:

- to attach roll roofing and waterproofing materials, install and repair sealant roofing with reinforcing base or without one, as well as roll and membrane roofing;
- to ensure external and internal waterproofing and anticorrosive protection of concrete, reinforced concrete, metal, wooden and other building structures (foundations, cellars, piles, ceilings, etc.);
- to insulate welded seams and metal surfaces, including pipelines;
- to create a vapor barrier;
- to waterproof swimming pools, bathrooms, bathtubs, showers, structures embedded into ground (lowered (sunk well, piles, etc.);

- to seal cracks, including cracks in asphalt, and joints of reinforced concrete structures.

How to use: before applying the sealant, the surface must be dried and cleaned. In winter, use a brush to clean the ice, snow, frost; remove the outer layer of rust and corrosion from surface; treat the surface with primer (it is recommended to use BITAREL bitumen primer), mix the sealant thoroughly. If necessary, dilute the solvent to the desired consistency. The sealant should be applied coat by coat with a brush or a spatula, or poured on and spread or

with a spray gun. Each next coat should be applied only after the previous one has dried. Sealant operation temperature, depending on the ambient temperature, is +5°C to +30°C. If the ambient temperature is below 0°C, the sealant must be kept indoors at room temperature for at least 24 hours. All works must be carried out away from sources of open flame.

ADVANTAGES

- Multi-purpose – usable for all types of work
- High adhesiveness to the base
- Thermal and frost resistance in usage
- Easy to apply (with a roller, brush, etc.)
- Resistance to water, acidic and alkali environments
- Reliable protector
- Creates solid seamless coating

Average consumption: 1.0-1.5 kg/m² per coat. Sealant consumption depends on the number of coats applied.

Storage: the sealant must be stored indoors protected from direct sunlight at -10°C to +30°C.

Guaranteed shelf life: 18 months.

Packaging: the sealant is supplied in 5, 10, 20 or 50 kg sealed metal containers.

Basic physical and mechanical characteristics:

No	Item	Standard for the type
		MBPH
1	Mass fraction of nonvolatile substances, %, no less than	30
2	Conditional viscosity, s, no less than	100
3	Drying time to degree 2, h, no more than	24
4	Strength of adhesion to base, MPa, no less than	0.3
5	Shear strength of the adhesive joint, kN/m, no less than	1.0
6	Conditional tensile strength, MPa, no less than	0.2
7	Relative tensile elongation, %, no less than	100
8	Water absorption over 24 h, % by weight, no more than	2
9	Curvature radius of 5.0±0.2 mm at -15°C	No cracks