

BRONYA

SPECIAL COATINGS

Combined application with
Bronya liquid heat insulation



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WATER REPELLENT

Waterproofing of structures is very important for construction and operation of buildings and premises. Bronya water repellent almost absolutely eliminates such an effect as capillary suction, significantly decreases water absorption in terms of direct surface wetting, but at the same time it does not reduce surface vapor permeability. A very thin polymer film is generated on the material surface. Under the influence of moisture it closes the material pores and prevents moisture from penetrating inside. Water repellent prevents also salt efflorescence on brick walls, extends the service life of surfaces, almost excludes the possibility of fungus formation and mildewing retaining strength of structures.

Many water repellents for brick, concrete and other construction materials are available in the market of waterproofing materials now. But, as we know, all of them have a high heat absorption coefficient, which in its turn radically worsens thermal and physical properties of liquid heat insulation (it is connected with the main principle of liquid heat insulation materials, i.e. low heat emission to air).

Bronya water repellent does not worsen thermal and physical properties of the superfine heat insulation at all (including the compete materials)! In contrast to its analogues, it is capable of improving thermal and physical properties of liquid heat insulation, it also radically extends the coating service life and provides protection against aggressive media.

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WATER REPELLENT

Let's make a simple experiment:

We place a plate coated with Bronya superfine heat insulation on a platform and heat the untreated surface up to 100°C

There are 3 samples of coatings on the plate:

1. Competitive material;
2. BRONYA Facade;
3. BRONYA Facade + BRONYA water repellent



Let's place 4 pieces of ice for clarity



In 10 minutes:



As you can see in the picture, the piece of ice on the analogue is totally melted, on BRONYA Facade it is half melted and on BRONYA Facade + water repellent it remains almost undamaged.

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WATER REPELLENT

Let's check the surface temperature

1. Competitive material, surface temperature 58 °C:



2. Bronya Facade superfine heat insulation, surface temperature 50 °C:



3. Bronya Facade superfine heat insulation + Bronya water repellent, surface temperature 46 °C:



Conclusions:

Application of Bronya water repellent not only ensures waterproofing of enclosing structures but also improves heat insulation properties of Bronya superfine heat insulation and reduces heat emission from the surface.