

BORROOF BOR MINERAL ROOF THERMAL INSULATION PAINT

Description: BOR ROOF is a special thermal insulation coating, the first and only one enriched with BOR additives produced with domestic capabilities in Türkiye, providing excellent thermal, acoustic, fire, and water insulation with special features of vapor permeability and breathability. The unique formula of BOR ROOF, in addition to high-quality thermal and water insulation, eliminates thermal bridges and the temperature difference between the roof surface and the surrounding air, preventing condensation formation. This feature provides an excellent mold prevention property. Due to the wave method of propagation, warm and cold air reflect heat-loaded sunlight in summer and a cold air mass in winter, providing a balanced and perfect comfort indoors. Thus, it significantly reduces cooling and heating expenses. BOR ROOF roofing membrane maintains its flexibility and strength down to -30 °C without cracking during winter. Whether applied on sloped or flat roofs, BOR ROOF never allows water penetration into the building, seals cracks, and provides waterproofing. Additionally, it expels moisture vapor from the building, preventing condensation on the interior surfaces.

Product features:

- Provides up to 50% energy savings.
- Reflects and repels both hot and cold air waves.
- Applicable for both interior and exterior surfaces.
- Breathable properties.
- Non-flammable and fire-retardant.
- Ensures water insulation.
- Prevents moisture and mold formation on walls and ceilings.
- Easy to apply with low labor costs.
- Easy to clean and resistant to dirt.
- Can be applied on various types of roofs, including concrete roofs, all types of metal roofs, membrane and shingle roofs, factory roofs, prefab building roofs, warehouses, commercial buildings, hotels, office building roofs, and any other type of roof.

Technical Specifications:

Density (25°C, g/mL) : 1,23	Impact resistance: no cracking or rupture	Contactless drying : 1 hour
Viscosity (25°C, kμ) : 130	Thermal paints class : Cold climate paint	Full drying time: 72 hours
Solids ratio (% Weight) : 65	Consumption : 1 m2 0,8 kg/m2	Filling : 10 and 18 kg PP bucket
pH : 8,99	Pot life (23°C) : 24 months	Solvent : Water
Brightness : Matt		Colour : White

Application Method and Features:

Surface Preparation : The surfaces to which BOR ROOF will be applied are initially cleaned from any dust, dirt, oil, raised or blistered mortar, concrete, paint, and any other foreign materials. Cracks, roof edges, horizontal and vertical joints on the surface are repaired with repair mortar or putty. After surface preparations are completed, the surface is primed with BORPAINT UNIVERSAL PRIMER, an insulation and paint primer, in a single coat at a rate of 200-300 gr/m2 to ensure excellent adhesion of the coating material to the surface. After priming, allow it to dry for approximately 4 hours.

BOR ROOF is ready for application; when you open the bucket, mix it thoroughly with a mechanical mixer for 5-6 minutes until it becomes homogeneous. Do not add water, thinner, paint, or any other diluent to it; do not thin the product. Avoid applying during extremely hot hours in summer. You can apply the product using a roller, brush, or spray. In areas with holes and cracks, use the product more generously to fill these areas. Each layer should be applied at least two coats, perpendicular to the previous layer, with a 4-hour waiting period between layers.

Important : During and after application, the surface should be protected from rain, water, mechanical loads, and impacts for 24 hours. Consuming too little or too much can lead to inefficiency and side effects.

Shelf life : When stored in its original, unopened, undamaged packaging, the product has a shelf life of 24 months from the date of production.

Storage conditions: Store in a dry and cool place, tightly closed.

Health and Safety Information: For information and advice on the safe use, storage, and disposal of chemical products, users should refer to the most up-to-date Safety Data Sheet containing physical, ecological, toxicological, and other safety-related data.