

BORFIREPROOF BOR MINERAL FIRE RESISTANT PAINT

Description: BOR, with its flame and fire-retardant properties, is of vital importance. It is a water-based paint with bor minerals. Thanks to its water vapor permeability, it does not prevent the surface it is applied to from breathing. In the event of a potential fire, it significantly extends the time before ignition, providing escape time for those present and greatly preventing the spread of flames from one area to another. It delays the spread of carbon monoxide gas that may occur due to a fire. Especially applied to load-bearing parts of the structure, sections created for safe escape, roofs, facades, boiler rooms, and other areas with explosion risk to prevent the spread of fire from the outside, as well as in air ducts, plumbing pipes, and areas where pipes pass through, BOR FIREPROOF PAINT ensures your safety and improves your quality of life by preventing the spread of smoke and heat. BOR FIREPROOF PAINT enhances your comfort by minimizing heat exchange between indoor and outdoor environments, in addition to its remarkable fire insulation. It helps save energy and protect the environment by reducing unnecessary energy consumption. Furthermore, BOR FIREPROOF PAINT, being a fire-resistant paint, does not deteriorate over time, is immune to decay, corrosion, and rust. It cannot be damaged by insects and microorganisms, and it is resistant to mold. It is specifically designed to protect concrete, wood, and steel structures from fire.

Product features:

• In the load-bearing parts of buildings,	• In spaces with a large number of people, such as hospitals, theaters, schools,
• In safe escape tunnels,	• In military facilities, factories, thermal power plants, and industrial buildings,
• On all kinds of plastered, painted, and unpainted interior and exterior surfaces, as well as on concrete, wood, pipe systems, and steel structures,	• On roofs and facades, fire stairs, chimneys,
• In gypsum board partitions and ceilings,	• In places with explosion risk, such as boiler rooms,
• In spaces where flame resistance is required,	• In air ducts to prevent the spread of smoke and heat,
	• On plumbing pipes and areas where pipes pass through.,

Technical Specifications:

Density (25°C, g/mL) : 1,30	Impact resistance: no cracking or rupture	pH : 8,98
Viscosity (25°C, kμ) : 155	Thermal Paints Class : Cold Climate Paint	Brightness : Matt
Solids Ratio (% Weight) : 70	Consumption (Depending on the surface): 2–2.5 kg/m ²	Filling : 4, 10 and 18 kg PP bucket
Melting point is : 741 °C	Contactless Drying : 1 hour	Pot Life (23°C) : 24 months
Boiling point is: 1575 °C	Full drying time: 72 hours	Solvent : Water
Flash point is : Non-flammable		Colour : White

Application Method and Features:

Before starting the application, the surface must be clean and dry, free from substances such as oil and dirt. Any loose or swollen areas should be cleaned and repaired. BORPAINT UNIVERSAL PRIMER should be applied to the surface by diluting it in a 1/7 ratio, and it should be allowed to dry for 4 hours.

Application can be done with a brush, roller, or a sprayer suitable for BOR FIREPROOF PAINT. Before use, the entire material should be stirred with a mechanical mixer until it reaches a homogeneous structure. BOR FIREPROOF PAINT is ready for use when the lid is opened and should NEVER be thinned with water, thinner, or other diluents. The product should be applied in 3 coats with a 4-hour interval between each coat.

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

Shelf life : When stored in its original unopened and undamaged packaging, it is suitable for use for 24 months from the production date.

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

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