

## Product for pyro and bio protection of wood

### Specification

The product is odorless. It does not cause corrosion on iron. It doesn't stain wood (non-significant change in the shade of some species of wood is allowed). It doesn't change the texture and grain of wood.



### Sphere of application

The product is intended for protection against mould, pest, other biological damage. It converts wood products to the group of fire-resistant, including structures (frames, rafters, log cabins, etc.) for residential, public, industrial and agricultural purposes that are not under the direct effect of water and precipitation. It is forbidden to paint the surface after treatment with a product for pyro and bio protection.

### Technical data

|                                 |   |
|---------------------------------|---|
| Consumption standard of 1 layer | from 250 g/m <sup>2</sup> , it depends on the type and quality of the wood, as well as the method of application. Group I of fire efficiency is achieved by volume impregnation with absorbing of 751 kg / m <sup>3</sup> . |
| Thinner                         | Water. The product is ready to use and it needs no diluting.  |
| Application                     | A brush, a roller, a spraying gun or volume impregnation method (autoclave impregnation, hot-and-cold bath method).   |
| Density (DSTU ISO 2811-1)       | ab. 1,05 g/cm <sup>3</sup>  |
| Solids content (DSTU ISO 3251)  | at least 8 %  |
| Warranty period                 | 18 months   |
| Packaging                       | 5 kg, 10 kg   |
| Color                           | colorless.  |

### Composition

A waterborne solution of inorganic compounds (BS-13)

## Application instruction

### 1 Surface preparation

The treated surface shall be dry, thoroughly cleaned of dirt, grease, dust, blue stain, decay, old paint coatings with a brush or a scraper. Make sure that bearing structure, affected with biological damage, can bear loading. Treating of frozen timber is forbidden.

Recommended moisture content of wood before processing is not more than 20%.

### 2 Applying

Sediments may appear during storage. Stir thoroughly before use. Warm up the product gradually in a water bath and stir thoroughly until the sediments will dissolve before use. Drying period of each coat of the product (23 °C; 50 % RH) is 2 hours.

Apply the product in 2-4 layers with a roller, brush, spray at the temperature of air and surface from + 10 °C to +30 °C and relative air humidity of less than 80%.

**Attention:** the method of application with a roller, brush or spray does not allow achieving the 1st group of fire retardant efficiency! To achieve group 1 fire retardant efficiency, it is necessary to use only bulk impregnation methods (autoclave impregnation, hot-cold bath method).

**Attention:** the more the product is applied, the better the protective effectiveness!

**Important:** drying the wood between treatments will promote greater application of the product, which means it will increase the protective effectiveness!

**Attention:** when applying a fire protection agent, a white coating (salts, deposits) may appear on the surface!



 **SAFETY**

Do not mix with other products and (or) organic solvents! Keep in tightly closed original containers at the temperature from +5 °C till +35 °C. Keep out of moisture, direct sunlight, frost and out of reach of children. During application use personal safety gear (work clothes, rubber gloves, a respirator and safety glasses). If application is indoors well-arranged ventilation shall be provided. If skin contact, wash thoroughly with water and soap. If eye contact, rinse with plenty of running water. Consult a doctor if necessary. More detailed information you can read in the safety data sheet. The product has a sanitary-epidemical conclusion of the state expertise.

 **ENVIRONMENTAL PROTECTION**

Do not empty into drains, ponds and in soil! Liquid rests shall be delivered to the waste drop-off point. Rests of dry products and empty containers shall be recycled as common construction waste, in accordance with the Law.

The authenticity of this information is based on laboratory tests and practical knowledge. The quality of the product completely corresponds to the demands of DSTU 4479:2005, GOST 28815-96 . As a manufacturer, the company isn't responsible for the damage caused by application, which is not in accordance with the directions. Applicability of the product for specific purposes shall be defined entirely by the consumer. Current information loses validity with the issue of a new edition.

