

Fire protection “SF+Bio” is a unique means of fire prevention for materials with porous surface.

Impregnation “SF+Bio” is a ready-to-use polymer suspension of a balanced composition of fire retardant, binder and functional additives.

It is used to prevent fire and fire spread in case of fire, as well as to protect the treated material from harmful agents (fungi, insects and their larvae).

- «SF+Bio» composition is fire and explosion safe and Non-toxic;
- According to the degree of impact on the human body belong to IV class of hazard (low-hazardous substances) according to GOST 12.1.007-76;
- Does not give efflorescence or salt streaks on the surface of the treated material;
- Does not change the structure of the treated material;
- Does not interfere with air exchange;
- Does not interfere with gluing, painting or other subsequent processing;
- Harmless during processing and further use;
- Treated materials are harmless to humans and animals;
- Low consumption of 1 liter per 7-12 m².

The principle of action of fire-bio-protective impregnation “SF+Bio”:

As a result of treatment with fire-bio-protective impregnation, the material becomes weakly flammable, which allows it to resist the effects of flame and high temperatures during a fire. If the operating conditions are observed, the validity of the composition is not less than 5 years.

Methods of application (treatment) of “SF+Bio”:

- Spraying (Air, airless supply).
- Mechanical (Roller, brush).
- Dipping.
- Protected surfaces should be cleaned from dust, dirt, grease. The impregnation is applied at temperatures from +5°C to +40°C.



Consumption of fire protection impregnation “SF+Bio”:

- Fabric - density from 100 to 150 gr. per square meter - From 30 to 50 ml. (depending on the density of the fabric)
- Carpeting - from 30 to 70 ml. (depending on pile height)
- Wood - from 50 to 200 ml. (depending on the density of the wood). Treated wood should be protected from water and atmospheric precipitation.

Apply strictly in accordance with the technological recommendations of the manufacturer. The Certificate of Conformity does not apply to coatings treated not in accordance with the requirements of the manufacturer's recommendations.

Scope of application of fire-bio-protective impregnation “SF+Bio”:

- Wherever protection of materials against fire is required!
- Wood and materials based on it (paper, cardboard);
- Textiles, decorative fabrics (furniture upholstery fabrics);
- Fabrics (sleeping bags, tents, awnings, etc.);
- Fabrics for special clothing (fire, welding, etc.).
- Soft floor coverings (carpets, rugs, carpets, etc.).
- Construction materials (polyurethane foam, filters, etc.).

Precautions:

When working with preparations, use personal protective equipment: goggles, gloves. In case of contact with skin and eyes, wash off with plenty of water.

In case of eye irritation consult a doctor.

Storage and transportation:

Keep out of reach of children. Transport separately from foodstuffs. Store in tightly closed containers, protect from direct sunlight.

For more information please contact us: Info@alqudra-global.com