Solid Protect

SPFR100

## Product type

SPFR100 is a waterborne fire retardant designed for wood-based materials. It meets class B-s1,d0 fire safety standards and can be used for both indoor and outdoor applications.

## Product description

SPFR100 is transparent, non-toxic, solvent-free, and not harmful to humans, animals, and the environment. The product is suitable for processing new and wood preservative-treated wooden surfaces and not suitable for surfaces treated with film-forming coatings (lacquers, paints, oils).

## Field of application

SPFR100 is versatile and suitable for a wide range of applications, catering to both industrial and DIY needs. It is ideal for treating log houses, wooden residences, wooden facades, cladding, plywood, multilayer wood panels, CLT, profiles and various other wood-based projects.

Surfaces treated with SPFR100 do not require post- processing with other coatings.

Solid Protect

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# Technical information

**Features**:

SPFR100 ensures that wooden products conform to the EN 13501-1 standard with a fire classification of B-s1, d0

**Emissions:**

SPFR100 doesn't contain formaldehyde, halogens, VOC and toxic substances.

**Consumption:**

240-300 g/m$^2$ - Actual consumption may vary depending on the wood, the application method, environmental conditions, as well as the shape and absorptive qualities of the substrate. Fire retardancy forms in 4-8 days after processing.

Solid Protect

SPFR100

## Conditions of use

Before use, the substrate needs to be cleared of dust, dirt, and any loose fragments.

Ensure the following recommended conditions during the application and drying: Product temperature +15…+25° C Air temperature +15…+50° C Relative humidity of air 20…60 % Wood humidity 10…18%

## Application

Shake or stir before applying.

If the container has been opened and closed on multiple occasions, evaluate whether the material is still suitable for its intended use.

For effective treatment, it's essential to cover the surface with 2-3 coats, with intervals of no less than 60 minutes between applications. The exact timing can vary based on wood type, ambient temperature, humidity, and other variables.

## Drying time

Drying time is 24…48h at +20° C and average humidity of 20…60%. Actual drying time depends on the temperature, humidity, type of wood and room ventilation.

Solid Protect

SPFR100

## Post processing

If the treated surface experiences mechanical damage, such as the breaking of the coating film due to external force, it is imperative to perform on-site repairs following the provided maintenance guidelines.

In the event of cutting industrially treated wood products at the construction site, remember to apply SPFR100 to the cut ends. Consult Solid Protect before applying any alternative coatings or primers to the wood surfaces, as these treatments may affect the fire performance characteristics.

## Cleaning of equipment

Use warm water to clean the equipment. Mild pH-neutral soap can be used with warm water for more effective cleaning.

## Storage

Store at temperatures from +5 to +30 °C and out of direct sunlight.

Max storage time for the originally sealed package SPFR100 is 12 months from the date of manufacture on the packaging label.

Solid Protect

SPFR100

## Waste handling and environment

Avoid releasing the product into sewer systems or onto the ground. Collect and transport all product waste to the appropriate waste handling facilities, following local authorities' regulations. Empty, dry containers can be disposed of as mixed waste.

SPFR100 treated wood products can be discarded as normal wood waste.

## Safety

Please adhere to the guidelines specified in the SPFR100 Data Sheet. For the most recent Technical Data Sheet and Safety Data Sheet, contact the supplier.

Technical assistance can be sought at support@solidprotect.eu.