

TECHNICAL INFORMATION

WS Sealer FR



So you can sleep safely

2-component special finish for wooden floors. Achieves a fire-resistant surfaces in accordance to EN 13501-1 class Cfl-s1 for parquet floors. WS Sealer FR reduces the amount of smoke formation on wooden floors by almost 90%. The flame-retardant properties reduce the spread of a fire by more than 50%.

- Active improvement of fire protection
- For properties with fire protection regulations
- Simple processing in the LOBA system
- No negative effects on appearance
- Innovation by LOBA

Range of use:

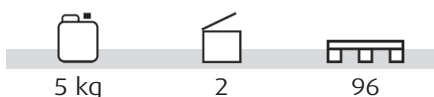
Suitable for all types of wood with a raw timber density of $\geq 0.47 \text{ g/cm}^3$ (e.g. beech, oak, Borneo teak, wenge). To achieve a flame-retardant surface according to EN 13501-1 class Cfl-s1 on solid parquet where the minimum thickness according to EN 14342 cannot be guaranteed, as well as non-standard solid wood floors. Bonding to a non-combustible mineral substrate is required. For further information, please refer to the test certificate - classification report of the fire behaviour according to DIN EN 13501-1.

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Loba GmbH & Co. KG
Emissionsgeprüftes Bauprodukt
nach DIN-Grundsätzen
Z-157.10-86



Technical Data

Art.-no.
11833



Solids	34 ±2%
Viscosity DIN 4	23 ±2s
Storage and transportation	12 months of storage stability. No hazardous material according to ADR. Store and transport between +5 to +25°C. Protect from frost.
GISCODE	W3+
2004/42/CE	EU limit value for this product (cat. A/i): 140 g/l (2010). This product contains max. 72 g/l VOC.

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Application

- Shake component A, add to **component B at a ratio of 10:1 while slowly mechanically stirring for example with the LOBATool Paint mixer**. Can be used for 2 hours after mixing.
- The surface must be sanded properly, wood moisture content max. 12%.
- The floor must be dry and free from any old coatings, oil, grease, wax, silicone, sanding dust and other contaminants. Room temperature +15°C to +25°C, relative humidity 40% to 75%, material temperature +18°C to +25°C. Ensure working areas are adequately ventilated.
- Transfer material to a LOBATool varnish bucket before applying.
- Shake the contents well.
- Observe general and, if necessary, product-specific occupational health and safety regulations. Further information can be found in the GISCODE-related operating instructions which are available under www.wingis-online.de.

Thinner

The product is ready for use and must not be reduced!

Application tool/application rate

LOBATool roller Deluxe 120 / 100-120 ml(g)/m² = 8-10m²/l(kg)

LOBATool roller Microfaser 100-120 / 80-100 ml(g)/m² = 10-12m²/l(kg)

Drying time

- Earliest possible overcoating after 12 hours.
- However within 24 hours.

Setup with natural wood coloring:

- Prepare the substrate properly and prime with LOBADUR® WS EasyPrime.
- Drying of the primer as per the technical information.
- Roll on WS Sealer FR.
- Dry overnight, maximum 24 hours.
- Roll on WS Sealer. Dry overnight.
- Intermediate sanding with the LOBASAND perforated pad P120 or finer.
- Trowel on LOBADUR® WS TopGel.
- Roll on LOBADUR® WS 2K (with the exception of the shiny setting, all variations are possible).

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General guidelines

Cleaning of tools: Clean tools and equipment immediately with water.

Drying time: The indicated drying times are valid for +20°C and 50% relative humidity, and assume careful, draught-free ventilation of the working area. Lower temperatures, higher relative humidity or poorer ventilation lead to longer drying times. Do not apply any protective coverings, wet clean the surface or lay carpet until the coating has achieved its final hardening. Product-specific data can be found in the relevant technical information.

Intermediate sanding: Where several layers of coatings are applied, if any layer is not overcoated within 24 hours, then the only way to ensure adequate bond between the layers is by intermediate sanding. An intermediate sanding before the final application will achieve an even surface. Carefully clean off the dust after intermediate sanding.

Use with or without a primer: Generally all finishes can be used without a primer. The use of a primer increases application reliability and ensures a finish free of lap marks and stripes, almost irrespective of the wood type. Further details can be found in the LOBA wood type list in the current product catalogue.

Edge bonding: Water-based coating systems usually show a tendency for edge bonding. Several measures can be taken to minimise the formation of irregular joints and the associated locking effect. The use of shear-resistant or permanently elastic adhesive to glue the parquet, careful filling of the joints with wood putty, use of suitable primers, such as LOBADUR WS EasyPrime, pretreatment of the groove sides on solid wood boards with wax compatible with the coating before laying. Taking steps to ensure that the room climate, in particular the relative humidity, remains constant. (Careful advising of the customer is recommended). Old floors with damaged, weak adhesives, and flexibly glued or nailed parquet, plank flooring, wood block flooring, industrial parquet, as well as parallel parquet, parquet on underfloor heating, and woods which change their moisture content quickly, such as beech and maple.

Interactions: Materials such as carpet underlays, furniture legs, castors, flexible adhesives used for parquet or for fixing can lead to softening and discoloration. Material building up in the joints can adversely affect touch and appearance. Exposure to hair dyes or rubber tyres on cars, motorcycles and cycles can lead to permanent, irreversible discoloration of the surface.

The information in this document and all other advice and recommendations that we provide to help and assist the applicator are based on previous experience and relate to Spezial conditions. Because of the wide range of possible uses and conditions of application of our products, we do not relieve users from the need to carry out their own trials or to seek technical advice by speaking to the LOBA application engineering department. Observe the floor covering manufacturer's recommendations and the provisions of the current standards. Our liabilities and responsibilities are exclusively in accordance with our Terms and Conditions and are not extended by this information or by our advice. The publishing of a new technical data sheet automatically invalidates the earlier version.

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29/01/2021

