

Wood protection system

Boiled linseed oil

Intended use

Boiled linseed oil is used to impregnate wooden craft items and other wooden products, and stone. It is also used as an additive to paints, varnishes and wood stains to increase the solids content and thereby improve moisture resistance.

Boiled linseed oil penetrates and fills the pores of the wood, preventing the absorption of water and other liquids. Boiled linseed oil is also suitable for outdoor use; however, it is not resistant to weathering.

Properties

- faster drying
- does not form a film
- biodegradable
- fully vapour-permeable
- completely natural

Areas of use

- for protecting wooden flooring, garden furniture, beehives, apiaries, playground equipment...
- for protecting stone surfaces

Technical data*

Packaging	L	1, 5, 25, 200
Relative humidity		Minimum 30 and maximum 80% relative air humidity
Theoretical consumption		Approximately 60–100 ml per m ² for one coat.
Flash point	°C	315-320
Dynamic viscosity	mPas at 20 °C	75-100
Density / weight	g/ml at 20 °C	0.94-0.95

(*All technical data stated in this technical data sheet are based on laboratory tests. Actual data may vary depending on conditions of use beyond our control. dft = dry film thickness.)

Substrate preparation

New untreated wood

Before treatment, the wood must be neither too dry nor too damp (the wood moisture content depends on the humidity during everyday use, indoors or outdoors), as either condition can cause structural instability: warping, cracking, swelling or shrinkage.

Wood must be correctly installed and must not be in contact with the ground. Horizontal surfaces and cut ends should be given additional mechanical protection, or provision should be made for water to drain off. The smoother the surface, the better the final appearance. For an excellent finish, we recommend light sanding before each coat. Before each coat, remove dust and other impurities from the surface and tools that could adversely affect absorption and the final appearance of the surface.

Application conditions

Temperature: 5° - 30°C

This temperature applies to the air, substrate and material. The surface must be visibly dry.

Relative air humidity: 30% - 80%

Material preparation and use

Application procedure:

Finely sand the thoroughly dry wooden surface with a sanding sponge and remove the dust. Apply the product evenly with a brush or roller. After approximately 15 minutes, wipe the remaining oil off the surface with a cloth or paper. On more porous surfaces, the procedure can be repeated after 24 hours.

For protecting wood or indoor furniture, you can use, for example, a mixture of boiled linseed oil, turpentine and a synthetic varnish such as colourless Lesoton Toplazura.

Application quantity:

For one coat, approximately 60–100 ml/m² is required. For outdoor use on wood, we recommend two coats.

Preparation:

Stir boiled linseed oil thoroughly before use.

Interval between coats:

24 hours, depending on drying conditions. The product is completely dry after 7 days.

Storage/transport

The storage period is 2 years. Store between +5 and 25°C. Reseal opened containers tightly after use. Store in the original container with access restricted to professionals.

Additional warnings

Special instructions:

Wash oil-soaked cloths and application equipment with water or burn them immediately after use to prevent spontaneous combustion.

Notes

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Protective measures:

- Forced ventilation must be provided when applying the material in enclosed, unventilated spaces. The material must not be applied near open flames or welding operations.
- Wear protective equipment while working, including gloves, goggles and other required protection.
- Change contaminated clothing and wash hands before eating and after finishing work.
- Follow the safety warnings on the packaging label.

Important warnings:

- Uncured/unbound material must be disposed of in accordance with applicable regulations. Fully cured material may be disposed of at municipal landfills in accordance with applicable regulations.
- Detailed safety precautions and physical, toxicological and ecological data for the product are provided in the safety data sheet, available from the Chemcolor sales department or at www.chemcolor.si.

These data are based on our experience to date and careful research. Site working conditions and knowledge of the work affect the quality of application. Successful work depends on professional assessment of the substrate at acceptance and practical experience in selecting the appropriate product. Please also follow the manufacturer's recommendations and the safety data sheet for the product when working.