



>Product description

A pigmented, highly colouring, universal oil based on linseed oil, sunflower oil, jojoba oil and alkyd-resin-modified natural oil; tough, abrasion-resistant and free from cobalt- or lead-containing siccatives. Due to the optimum combination of raw materials, this product displays an outstanding light fastness for an oil system and only a minimal tendency towards yellowing at the absence of light. The open-pored and breathable surface is hard-wearing. Contains a light stabilizer which retards colour changes of the substrate. Due to the innovative composition of its raw materials, this product does not have to be categorised according to the current version of the Globally Harmonized System of Classification and Labeling of Chemicals!

>Areas of application

For furniture surfaces throughout all interiors; for stairs, doors, ledges, etc. Also suitable for coating parquet and wooden floors, as well as oriented structural boards and cork floors in living areas.

>Surface Preparation

Surface preparation	In the furniture sector: Clean, well seasoned wood, depending on species, application process and the desired effect. On parquet flooring: Careful, even and graduated bare wood sanding of properly laid and prepared parquet surface.
Substrate sanding grits from-to	120 - 320
Comments on sanding	The raw-wood sanding must be adapted to the required application quantity; the lower the application quantity, the finer the sanding grit (up to grit 240 when buffing). Ensure that the edge sanding and surface sanding are even. The sanding quality is crucial in ensuring a good quality of the final coat!

>Finishing

Finishing	After adequate drying. On furniture: regular cleaning and care using Proterra Cleaning agent GR 1900. On parquet flooring: initial care and subsequent maintenance using Hesse PROTECT-CLEANER PR 90 or Hesse ANTISLIP-CLEANER PR 93 and Hesse INTENSIV-CLEANER PR 91.
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>Times

Working Temperature Range	20 - 40 °C
conditions of transport	frost-free - up to a maximum of 35 °C
Drying	8 h / 20 °C
Subsequent coating within	24 h / 20 °C
Complete drying	7 d / 20 °C
Accessible after	24 h / 20 °C
Load bearing after	7 d / 20 °C

>Application

Application	Nozzle size in mm	Spray pressure in bar
Manual application -all		
Gauze pads / cloth		
Spraying		
Compressed air spraying	1,5 - 1,8 mm	2,0 - 3,0 bar
Wiping with a cloth		



>Processing instructions

Manual filling:

Apply thinly with a trowel or roll on, then immediately pad in or rub in. Large areas should be coated by two people.

Manual application:

Rub in using a sanding fleece and remove any excess with a cotton cloth, leaving no residue. In the furniture sector: apply and rub in the product with a saturated fine sanding fleece. After a short exposure time, remove any excess with a cotton cloth. The surface should appear dry; if not, drying problems may occur. In special cases the material can also be thinly applied by spraying. Rubbing in and subsequent removal of the excess are as for manual application. The corresponding safety instructions for spray application must be followed! On parquet flooring: Apply the material with an appropriate trowel; after a short exposure time, work in evenly using the single-disc sander and white non-abrasive pad until the surface appears dry.

>Technical data

Proportion of renewable raw materials %	14.8
Flow time (+/- 15 %)	32 s / DIN 53211 - 4 mm
Appearance	glazing
Decopaint basis	LB
Decopaint category	J
Density series kg/l	1.001
Yield per coat	33 - 100 m ² /l The spreading rate is heavily dependent on the type of application. The specifications relate to a liter of ready-for-use product, if necessary including hardener and thinner.
Giscode	Ö60
Form of delivery	fluid
Non-volatile content series %	50
VOC EU %	50 %
VOC FR	C
Working Temperature Range	20 - 40 °C
Storage temperature	15 - 25 °C
Shelf life in weeks	26
conditions of transport	frost-free - up to a maximum of 35 °C
Working temperature	20 °C
Number of coats (max)	2
Amount per layer (minimum)	10 g/m ²
Amount per layer (max)	30 g/m ²
Total application volume	60 g/m ²

>Ordering information

Order number	Colour tone	Gloss level 60° (Gloss)	Container Size
OB 52842-0770	WEISS	-	3 l, 25 l

>Thinners

Order number	Product description	Container Size
OV 89	OIL-THINNER	1 l, 3 l
OV 5100	Special thinner	1 l, 3 l, 5 l, 25 l

>Cleaning agent and care product

Order number	Product description	Container Size
PR 90	PROTECT-CLEANER	1 l, 25 l
GR 1900	Cleaning agent	1 l, 2.5 l, 3 l, 25 l



>Supplementary products

Order number	Product description	Container Size
OR 5180	OIL-HARDENER HIGH SOLID	0.25 l, 1 l, 3 l, 10 l, 15 l, 25 l

>Particular instructions

Lightening is possible with OE 52842. Products from the same range can be mixed with one another. The product is not suitable for woods susceptible to blue stain in damp rooms. The material properties were tested on commercially available woods such as oak, beech, etc. Please check suitability before using on other types of wood. In order to avoid white pores on dark, porous woods, we recommend using the glossy version of the oil, at least for the first coat. Hardening at 100 : 4 with OR 5180 increases the surface's mechanical and chemical resistance. The hardener additive accelerates complete drying. Pot life of the mixture at 1 h / 20 °C room temperature. Chemical and mechanical resistance depends on the number of coats of oil that are applied. The material dries with oxidation – please observe the general application instructions. Films or carpets must not be placed on the parquet flooring until it has completely hardened. Skin may form due to the high reactivity. Please remove before agitating. Subsequently the material should be filtered as a precaution. Stir carefully before use. Please observe the latest material safety data sheet!

>Sample process

Living room shelving in oak, oiled white

Bare wood sanding: 320 grit with subsequent dust removal.

Use a fine sanding fleece to apply 1 x circa 10 - 20 g/m² Hesse ULTRA-WHITE-OIL OB 52842-0770 and rub it in evenly. Allow a brief absorption period and then use a soft cotton cloth to remove the excess until the entire surface appears uniformly dry. Drying time: at least 16 h / 20 °C room temperature and with adequate air exchange.

Use a fine sanding fleece to apply 1 x circa 10 - 20 g/m² Hesse ULTRA-WHITE-OIL OB 52842-0770 and rub it in evenly. Allow a brief absorption period and then use a soft cotton cloth to remove the excess until the entire surface appears uniformly dry. Drying time: at least 16 h / 20 °C room temperature and with adequate air exchange. Full resilience is achieved after at least 7 d / 20 °C room temperature and adequate air exchange.

Parquet: rustic oak planks, white oiled

Bare wood sanding: 150 grit with subsequent dust removal. Use a spatula to apply 1 x circa 15 - 20 g/m² Hesse ULTRA-WHITE-OIL OB 52842-0770. Allow a brief absorption period and then use a single disc sander with white pad to work it in until the surface appears dry. Drying time: at least 16 h / 20 °C room temperature and with adequate air exchange.

Use a spatula to apply 1 x circa 15 - 20 g/m² Hesse ULTRA-WHITE-OIL OB 52842-0770. Allow a brief absorption period and then use a single disc sander with white pad to work it in until the surface appears dry. Drying time: at least 16 h / 20 °C room temperature and with adequate air exchange. The parquet is then accessible with care. Full resilience is achieved after at least 7 d / 20 °C room temperature and with adequate air exchange.





>General information

Materials with oxidative drying: a skin can form on the surface in containers, mainly opened containers. This should be removed prior to use. Low temperatures, increased ambient humidity, inadequate air exchange and wood contents that inhibit drying can extend the oil's drying time.

The risk of spontaneous combustion means that coating substances generating heat during drying (oxidative drying oils) and coating substances forming highly flammable deposits may not be applied in the same spray booth without further precautions (see BGR 500, section 3: Handling different coating substances). Cotton cloths, cardboard and paper saturated with oil pose a risk of spontaneous combustion due to heat accumulation. They should therefore be spread out in the air to dry before being disposed of. Even oil-saturated wood dust is prone to spontaneous combustion; as a precaution please do not dispose of it in sealed containers and, where possible, do not use the spray booth for sanding. The oil itself does not combust spontaneously.

The necessary cleaning, care and refresh intervals should be matched to the number of layers of oil applied and the nature and intensity of use. The material properties have been tested on commonly available woods, such as oak, beech, etc. Resins in softwoods, coloured woods and exotic or unusual wood species can result in delayed drying and optical impairments. Please therefore check for suitability prior to use on such woods. Please also note that oils, like almost all natural materials, change colour over time under the influence of light and heat. Their colour can alter both under the influence of light (e.g. the sun's UV rays, etc.) and due to light deprivation (yellowing at absence of light, e.g. beneath tablecloths, carpets, cabinets, etc.). This can become particularly apparent on brightly pigmented substrates. Oiled surfaces have a distinctive odour. This diminishes in a matter of days with progressive drying. Cleaning and care instructions: Please observe the care instructions according to DIN 18356. Wipe parquet with a slightly damp but not wet cloth. Please use only neutral, silicone-free, ammonia free and non-abrasive cleaners. Regular care and cleaning with Hesse PROTECT-CLEANER PR 90 and Hesse INTENSIVE-CLEANER PR 91 increases the durability of a (parquet) surface.

>Particular properties and/or testing standards

Test standard / basis	Testing laboratory	Mark	Report	No.
Formulation is free of: wood preservatives, toxic heavy metals, phthalate plasticizers, formaldehyde, CMR substances in Categories 1A + 1B and volatile aromatic and halogenated organic compounds.	HESSE			
Product meets the requirements of solvent based paints and coatings regulation - ChemVOCFarbV (German ordinance on solvent-based paints and varnishes) - according to the national implementation of 2004/42/EG ("Decopaint Directive").	HESSE			

Our technical information is continually adapted to keep up to date with the latest technology and statutory regulations. The indicated values are no specification, but typical product data. The latest version is always available online at www.hesse-lignal.de or talk to your local account manager. This information is for advice and is based on the best knowledge available and careful research in line with the current state of the art. This information cannot be held as legally binding. We also refer you to our terms and conditions of business. Safety data sheet is provided in accordance with EC regulation no. 1907/2006.