

Hesse COLOR-SOLID-OIL (colour tone)

>Product description

Hesse **COLOR-SOLID-OIL** is a **coloured, extremely low solvent** and **low odour** HIGH-SOLID natural oil. Its **outstanding mechanical and chemical resistance** makes it suitable for adding colour to surfaces on exclusive woods for normal to high interior use, with **just one oil application**. The product is easy to apply, **fast drying** and free from cobalt- and lead-based siccatives. The **optional hardening** results in even faster drying and additionally increased resistance.

>Areas of application

For high quality residential furniture and all interior fitments with high-demand surfaces. As well as for parquet and staircases.

>Surface Preparation

Surface preparation	Clean, dry wood, free of oil, grease, wax and silicones. Sanded as prescribed and free from sanding dust.
Substrate sanding grits from-to	120 - 150
Comments on sanding	The quality and uniformity of the wood and of the lacquer sanding are crucial to the final surface finish. After sanding, remove dust as prescribed.

>Finishing

Finishing	Timely, regular and professional cleaning and care of the oiled surface significantly increases its useful life. Optional, additional sealing: surfaces treated 2 x with the oil (mixing ratio 100 : 5 with OIL-HARDENER HIGH SOLID OR 5180) can be dried overnight at 20 °C room temperature with sufficient air circulation and sealed without sanding using Hesse HYDRO Finishes (e.g. PURA-ONE HDE 51-(gloss level) or PURA-NATURA HDE 52-0). Should the oil surface have been left longer than 16 h / 20 °C, it should be lightly sanded (do not sand through!) to obtain a good surface result. This additional sealing influences the colour tone, feel and appearance of the surface. Please conduct a trial coating to evaluate this.
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>Times

Drying	16 h / 20 °C
Subsequent coating within	36 h / 20 °C
Stackable after	16 - 24 h / 20 °C
Complete drying	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		
Rolling		
Spreading		
Spraying		
Compressed air spraying	1,5 - 1,8 mm	2,0 - 3,0 bar
Wiping with a cloth		

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>Processing instructions

The material can be applied using various manual procedures. The excess should always be removed after a brief absorption period. The surface should appear dry, otherwise there may be issues with complete drying. In special cases, thin coats of the material can also be applied by spraying. Subsequently rub it in and remove the excess as with manual application! The relevant safety regulations regarding spray application are to be followed!

>Technical data

Flow time / Viscosity (+/- 15 %)	70 s / DIN 53211 - 4 mm
Appearance	glazing
Decopaint basis	LB
Decopaint category	J
Density series kg/l	0.976 - 1.231
Yield per coat	74 - 110 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	Ö20+
Shelf life in weeks	26
Form of delivery	fluid
Non-volatile content series %	78 - 97
VOC EU %	11 %
VOC FR	A+
conditions of transport	frost-free - up to a maximum of 35 °C
Storage temperature	10 - 35 °C
Working Temperature Range	20 - 40 °C
Number of coats (max)	2
Amount per layer (minimum)	10 g/m ²
Amount per layer (max)	15 g/m ²
Total application volume	30 g/m ²

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>Ordering information

Order number	Colour tone	Gloss level 60° (Gloss)	Container size
BLUEBERRY	BLUEBERRY	-	0.02 l, 1 l, 2.5 l, 25 l
BROWNIE	BROWNIE	-	0.02 l, 1 l, 2.5 l, 25 l
CASTLE BROWN	CASTLE BROWN	-	0.02 l, 1 l, 2.5 l, 25 l
CHEESECAKE	CHEESECAKE	-	0.02 l, 1 l, 2.5 l, 25 l
CHERRY	CHERRY	-	0.02 l, 1 l, 2.5 l, 25 l
CHESTNUT	CHESTNUT	-	0.02 l, 1 l, 2.5 l, 25 l
CITRUS	CITRUS	-	0.02 l, 1 l, 2.5 l, 25 l
CRANBERRY	CRANBERRY	-	0.02 l, 1 l, 2.5 l, 25 l
GREYSTONE	GREYSTONE	-	0.02 l, 1 l, 2.5 l, 25 l
HONEY	HONEY	-	0.02 l, 1 l, 2.5 l, 25 l
LIGHT WALNUT	LIGHT WALNUT	-	0.02 l, 1 l, 2.5 l, 25 l
MILK	MILK	-	0.02 l, 1 l, 2.5 l, 25 l
MODERN GREY	MODERN GREY	-	0.02 l, 1 l, 2.5 l, 25 l
NERO	NERO	-	0.02 l, 1 l, 2.5 l, 25 l
OLIVE GREY	OLIVE GREY	-	0.02 l, 1 l, 2.5 l, 25 l
PEPPER	PEPPER	-	0.02 l, 1 l, 2.5 l, 25 l
PHOENIX	PHOENIX	-	0.02 l, 1 l, 2.5 l, 25 l
SALT	SALT	-	0.02 l, 1 l, 2.5 l, 25 l
SHADOW	SHADOW	-	0.02 l, 1 l, 2.5 l, 25 l
SNOW WHITE	SNOW WHITE	-	0.02 l, 1 l, 2.5 l, 25 l
WINTER	WINTER	-	0.02 l, 1 l, 2.5 l, 25 l

>Particular instructions

Hardening at 100 : 5 with OR 5180 further optimises the product's properties (complete drying and resistance). Pot life of the mixture: 1 hour at 20 °C room-temperature. The hardener contains isocyanate. Please observe safety instructions; see the safety data sheet.

"A risk assessment was undertaken according to Directive 2014/90/EU, Annex II, Section 3. This coating does not pose a physical risk to health nor a risk to the environment when cured and dried."

>Sample process

Oak living room shelving oiled with transparent BLUEBERRY

Wood sanding: 150 grit with subsequent dust removal.

Use a fine sanding fleece to apply 1 x 10 - 15 g/m² Hesse COLOR-SOLID-OIL BLUEBERRY hardened at 100 : 5 with OR 5180

and evenly rub it in.

Allow a brief absorption period and use a soft cotton cloth to remove the excess until the entire surface appears evenly dry.

Drying: > 16 h / 20 °C and with adequate air exchange.

Full load-bearing capacity is achieved after > 7 d / 20 °C.

A second layer of the COLOR-SOLID-OIL can be applied as necessary after drying overnight.

Wide oak floorboards in CHEESECAKE, properly laid.

Wood sanding: 150 grit with subsequent dust removal.

Use a spatula to apply 1 x 10 - 15 g/m² Hesse COLOR-SOLID-OIL CHEESECAKE.

Absorption period: 1 h / 20 °C (subject to surface area), without padding in.

Use a spatula to apply 1 x 10 - 15 g/m² Hesse COLOR-SOLID-OIL CHEESECAKE.

Absorption period: 1 h / 20 °C (subject to surface area) then use a single-disc sanding machine with white pad to work it in until the surface appears dry. After a further 20 - 30 min / 20 °C, pad it off again until the surface is even.

Drying: > 16 h / 20 °C and with adequate air exchange. The parquet can then be accessed with care.

Full load-bearing capacity is achieved after > 7 d / 20 °C.

Advantages of this method: improved accentuation and protection, intense chromatic effect, complete oil finish within a day, time saving (only one intense and one light padding operation).

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>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.

>Particular properties and/or testing standards

Standard	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			
Toy safety DIN EN 71-3 (2014-12)	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.