Hesse COLOR-SOLID-OIL GB 1125x(gloss level)-(colour tone)

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Product description

Coloured, extremely low-solvent and low-odour HIGH-SOLID natural oil with outstanding mechanical and chemical resistance. For coloured surface coating of exclusive indoor wood surfaces with normal to high use. Easy to apply, fast drying and with cobalt- and lead-free siccatives. Can be optionally hardened for even faster drying and even better resistance. One to two applications using a spatula, roller or cloth and subsequent rubbing in with removal of the excess.

Areas of application

Furniture, parquet surfaces and stair treads with normal to high interior use. Certified according to IMO so it can be applied on ship interiors

Area of application

- Internal fit-out
- Furniture
- Crafted parquet flooring
- The fitting out of ship interiors
- Special applications
- Doors

Substrate material

- Dark, fine pored hardwood
- dark deciduous woods with coarse pores
- light deciduous woods with fine pores
- light deciduous woods with coarse pores

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	120 - 320
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.

Application

Application	Spray nozzle size	Spray pressure	Atomizing pressure
Compressed air spraying	1,5 - 1,8 mm	2 - 3 bar	
Gauze pads / cloth			
Rolling			
Spreading			
Wiping with a cloth			

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Times

Drying	16 h / 20 °C
Follow-up coating within	1,5 d / 20 °C
Stackable after	24 h / 20 °C
Resilient after	7 d / 20 °C
Complete drying	24 d / 20 °C

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 at a mixing ratio of 25 : 1 with OIL-HARDENER HIGH-SOLID OR 5180 can be sealed without sanding using Hesse HYDRO Seals (e. g. PURA-ONE HDE 51-(gloss level) or PURA-NATURA HDE 52-0) after drying over night at 20 °C room temperature with sufficient air circulation.
If the oil surface is older than 16 h / 20 °C), it should be lightly sanded back (do not sand through it!) to achieve a good surface result.
This additional sealing will influence the colour tone, feel and look of the surface. Please assess this based on a trial coating.

Processing instructions

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.

This product must only be combined with other approved and technically suitable products when used as a flame retardant coating material for seagoing vessels according to the latest version of SOLAS 74/88 Reg. II-2/3, II-2/5 and II-2/6, IMO Resolution MSC.36(63)-(1994 HSC-Code) 7 and IMO Resolution MSC.97(73)-(2000 HSC-Code) 7. The maximum application amount in wet film when using this product as a flame retardant coating material for seagoing vessels is 40 g/m².

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Particular instructions

Complete drying and the mechanical and chemical resistance of the surface will be increased by hardening at 100 : 4 with OR 5180 or OR 5188. 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. The material dries with oxidation – please observe the general application instructions. For coating the insides of cupboards, we recommend Proterra Resit GE 17102 because of its low intrinsic smell. After suitable drying, can be re-coated with, for example, GZ 1023, GZ 1020 or GE 100.

"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."

The coloured oil can be hardened 25 : 1 with OIL-HARDENER HIGH-SOLID OR 5180 before processing to provide additional protection against pigment abrasion. Or the coloured oil surface can alternatively be finish treated with a clear oil. Our **NATURAL-SOLID-OIL GE 11254** can generally be used for this purpose. In the case of lighter colour tones, it is advisable to use **PROTECT-OIL OE 52842** due to its light intrinsic colour and its excellent light fastness for an oil.

Technical data

Flow time (+/- 15%)	65 s / DIN4
Yield per coat	73 - 110 m²/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	Ö10+
Proportion of renewable raw materi-	89.68 %
Non-volatile proportion	72.7 - 99.4 %
VOC FR	C
Shelf life in weeks	26
Storage temperature	10 - 35 °C
Working Temperature Range	20 - 40 °C
Number of coats (max)	2
Amount per layer (minimum)	10 g/m²
Amount per layer (max)	15 g/m²
Total application volume	30 g/m²

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Particular properties / testing standards

Sign	Product standard / basis
	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.
	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 ").
	Toy safety as per DIN EN 71-3
	Quality Assurance System Certificate (Module D); Directive 2014/90/EU (Marine Equipment Directive)
	Emission-tested construction product per DIBt [German institute for construction technology] principles,
	Manufacturer's declaration on biodegradability
	The DGNB criteria of quality level 3 for coatings on non-mineral substrates are met.

Sample process

Living room shelving in oak, oiled with a grey glaze

Bare wood sanding: 320 grit with subsequent dust removal.
Apply 1 x 10 - 20 g/m² Hesse COLOR-SOLID-OIL GB 11252-070 using a fine sanding fleece and abrade it in evenly.
Allow a brief absorption period then use a soft cotton cloth to remove the excess until the entire surface appears evenly dry.
Drying: > 16 h / 20 °C with adequate air exchange.
Apply 1 x 10 - 20 g/m² Hesse COLOR-SOLID-OIL GB 11252-070 with a fine sanding fleece and rub in evenly.
Allow a brief absorption period then use a soft cotton cloth to remove the excess until the entire surface appears evenly dry.
Drying: > 16 h / 20 °C with adequate air exchange.
Full load bearing capacity is achieved after > 7 d / 20 °C.
Rustic oak floorboards, laid as per instructions.
Bare wood sanding: 150 grit with subsequent dust removal.
Apply 1 x 15 - 20 g/m² Hesse COLOR-SOLID-OIL GB 11252-020 using a spatula.

Absorption period: 1 h / 20 °C (depending on surface area), without padding. Apply 1 x 15 - 20 g/m² Hesse COLOR-SOLID-OIL GB 11252-020 using a spatula.
Absorption period: 1 h / 20 °C (depending on surface area) then use a single-disc sanding machine with white pad to work it in until the surface appears dry. Pad it off again after a further 20 - 30 min / 20 °C until the surface is even.
Drying: > 16 h / 20 °C with adequate air exchange. The flooring is then accessible with care.
Full load bearing capacity is achieved after > 7 d / 20 °C. Advantages of this application method: pronounced accentuation and protective effect, formation of complete oil structure within a day, time saving (only one intensive and one light padding stage)

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Ordering information

Order number	Colour tone	Gloss level 60° (Gloss +/-5)	Gloss level
GB 11252-010	VANILLE		
GB 11252-011	HONEY		
GB 11252-012	ALMOND		
GB 11252-020	APRICOT		
GB 11252-070	MODERN GREY		
GB 11252-071	BLUE GREY		
GB 11252-080	CHESTNUT		
GB 11252-081	SMOKEY OAK		
GB 11252-090	WHITE PEACH		

General instructions on workmanship

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.

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