



>Product description

Hesse precious wood stain BE is a stain on the basis of water-soluble dyes. It is ideal for achieving brilliant stain appearances without emphasis of the pores. The structure and texture of the wood are not covered. This results in a warmer, more transparent and deeper tone. Specifically formulated for oak.

>Areas of application

For staining and subsequent coating of furniture, stairs and doors in industrial and craft applications. These stains can be sprayed and then wiped.

>Surface Preparation

Surface preparation	The wood must be dry, dust-free and grease-free.
Substrate sanding grits from-to	120 - 180
Comments on sanding	A graduated raw wood sanding is recommended. The quality of the sanding is decisive for the quality of the final result. The bare wood can optionally be dampened. After drying overnight, sand or smooth.

>Finishing

Finishing	Recoatable after at least 2 h drying time with Hesse CN or PU lacquers by spraying, rolling, brushing or curtain coating. After 6 h drying, can be coated with the next coat of suitable 1C or 2C HYDRO lacquers such as HYDRO TOP-SIEGEL HE 6509x(gloss level) or HYDRO-PUR PRIMO HDE 5400x(gloss level) by spraying or flow coating. Complete drying must be guaranteed prior to recoating. Drying is delayed by low temperatures, reduced exchange of air, high humidity and large application amounts.
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>Times

Working Temperature Range	16 - 25 °C
conditions of transport	frost-free - up to a maximum of 35 °C
Drying	2 h / 20 °C

>Application

Application	Nozzle size in mm	Spray pressure in bar	Atomising pressure in bar
Spraying			
Airless low pressure			
Air mix	0,23 - 0,28 mm	10 - 60 bar	1,0 - 2,5 bar
Compressed air spraying	1,0 - 2,0 mm	1,5 - 2,0 bar	
Brush application			

>Processing instructions

Spray the stain to form excess. Alternatively it can also be worked with a brush or sponge.. Wipe evenly with a wiping brush after applying the stain. Stir stains well before and during processing. The stains can be thinned with water, if required. Can be tinted with colour concentrates in the range: BF 1xxx . We recommend small spray nozzle sizes for stains that are to be sprayed but not subsequently wiped. Although large spray nozzle sizes are advisable when spraying stains that are subsequently to be wiped.



>Technical data

Flow time (+/- 15 %)	60 s / DIN EN ISO 2431 - 3 mm
Appearance	glazing
Density series kg/l	0.998 - 1.021
Yield per coat	13 - 20 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.
Form of delivery	fluid
Non-volatile content series %	0 - 11.1
VOC EU %	0 %
VOC FR	C
Working Temperature Range	16 - 25 °C
Storage temperature	5 - 30 °C
Shelf life in weeks	52
conditions of transport	frost-free - up to a maximum of 35 °C
Working temperature	20 °C
Number of coats (max)	1
Amount per layer (minimum)	50 g/m ²
Amount per layer (max)	80 g/m ²
Total application volume	80 g/m ²

>Ordering information

Order number	Colour tone	Gloss level 60° (Gloss)	Container Size
BE 5-20001	BR 242-0501	-	1 l, 5 l, 15 l, 25 l
BE 5-20025	BE 5-21357	-	1 l, 5 l, 15 l, 25 l

>Particular instructions

Hesse stains are matched to each type of wood in terms of colour tone and application. Additional types of application and woods are available. All stains from the same range can be mixed together. Lighten by adding water. Can be tinted with colour concentrates in the range: BF 1xxx.

>General information

Trial staining of the original sanded wood with original lacquering should be carried out under real conditions. Only use stains from one batch for any one job. Do not pour soiled stains back into the original container. Clean tools with water immediately after use. Dried-on stain residue can be removed with thinners such as ZD 82. Saponify resinous woods (e.g. pine, red pine) with Hesse wood soap HBV 243 before staining. Good light fastness can be obtained depending on the type of wood, colour tone and depth of colour. This can be further improved by suitable coating with lacquers containing light protection agents, sun blocking qualities are to be recommended. Base coat stains or colour stains should be used if there are increased demands for light fastness.

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. Material safety data sheet is provided in accordance with EC regulation no. 1907/2006.