

Technical information

Hesse SPEED-CLEAR HE 6588x(gloss level)

Product description

SPEED-CLEAR HE 6588x(gloss level) is an innovative, transparent, one-component HYDRO Lacquer that is characterised by its rapid drying and exceptional sanding properties. This versatile product is ideal as a basecoat and top coat for surface processes involving an open or closed pore pattern. Free from butyl glycol, SPEED-CLEAR ensures outstanding pore wetting and features great ability to stay on vertical surfaces. A convincingly smooth surface is obtained after drying.

Areas of application

Universal coating in living areas for residential, cabinet and children's furniture. SPEED-CLEAR can be used on bleached and conventional woods.

Area of application




- Internal fit-out
- Furniture

Substrate material




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

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 - 220
Lacquer sanding grit		280 - 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
Airless		0.23 - 0.38	100 - 120	
Airmix		0.23 - 0.38		1.5 - 2.5
other treatment				

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Times

Drying		1,5 h / 20 °C
Stackable after		16 h / 20 °C
Complete drying		7 d / 20 °C




Processing instructions

Recoatibility: with itself following proper sanding. Clean tools with water. For removal of dried lacquer residues use Hesse HY-DRO Cleaning agent HV 6917. In case of combined coatings (HYDRO- and solvent based lacquers) rinse application tools with Hesse HYDRO Reversing agent HV 6904.

Technical data

Flow time (+/- 15%)		30 s / DIN6
Non-volatile proportion		27.3 - 28.7 %
VOC EU		5 - 5.3 %
VOC FR		C
conditions of transport		10 - 30 °C
Shelf life in weeks		26
Storage temperature		10 - 30
Working Temperature Range		18 - 22
Number of coats (max)		2
Amount per layer (minimum)		80 g/m ²
Amount per layer (max)		150 g/m ²
Total application volume		300 g/m ²

Particular properties / testing standards

Sign	Product standard / basis	Sign	Product standard / basis
	Saliva and sweat resistance according to DIN 53160 Parts 1 and 2: no discolouration (Level 5)		RAL UZ 12a (Blauer Engel German environmental label) - fulfills chemical requirements (manufacturer's declaration available on request)
	Product meets the requirements of solvent based paints and coatings regulation - ChemVOCFarbV (German ordinance on solvent-based paints and		

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Sample process

Wood sanding: 120 - 180 grit with subsequent dedusting
Coating: 1 x 100 - 120 g/m² SPEED-CLEAR HE 6588x(gloss level)
Drying: > 1.5 h / 20 °C room temperature with adequate air circulation
Intermediate sanding: 280 - 320 grit with subsequent dedusting
Coating: 1 x 100 - 120 g/m² SPEED-CLEAR HE 6588x(gloss level)
Packable: after at least 16 h / 20 °C room temperature with sufficient air circulation

Ordering information

Order number	Gloss level 60° (Gloss +/-5)	Gloss level
HE 65881	5	dull matt
HE 65882	10	matt
HE 65884	20	silk matt
HE 65886	35	satin gloss

Accessories

	Order number	Product description
Retarder	HZ 5-56	HYDRO Retarder
Equipment cleaner	HV 6917	HYDRO Cleaning agent
	HV 6904	HYDRO Reversing agent

General instructions on workmanship

When working with HYDRO materials, parts that come into contact with the material must be made from stainless steel. The moisture content should be between 8 - 12 %. Do not apply or dry HYDRO lacquers at material or room temperatures below 18 °C. The ideal humidity for application lies between 55 and 65 %. During the lacquering process, a humidity level that is too low leads to surface defects (such as shrink cracks, etc.). Excessive humidity during the drying phase may drastically lengthen the drying time! In order to avoid adhesion problems, please sand the lacquered surfaces freshly before coating and apply lacquer to the sanded surfaces as soon as possible. When applied to foils, etc., please use a sample coating on the respective substrate to check the adhesion! The ideal complete hardening of lacquered surfaces that have been flashed off is reached at temperatures over 20 °C up to no more than 40 °C. Adequate, draft-free air exchange must be assured. The complete hardening of the lacquer will be reached after one week of proper storage (at least 20 °C room temperature). Woods containing large amounts of natural oils, such as teak, can negatively influence adhesion under certain circumstances. Water-soluble wood ingredients such as those in ash and tannins in woods such as oak may cause colour changes and discolourations in the coating. We recommend that you always conduct a sample lacquering to evaluate the colour effect, adhesion and drying process under real conditions!

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.

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