

Technical information

Hesse HYDRO Basecoat HG 6580



Product description

One component HYDRO basecoat, universally usable, quick-drying, particularly thixotropic, particularly good body, with good sanding properties, for open-pored to closed-pored structures.

Areas of application

The whole interior finish for the living area, particularly for coating three-dimensional objects. On standard European deciduous woods and conifer woods, with suitable top coat in the system structure.

Area of application




- Internal fit-out
- Furniture
- 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 - 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 mm	100 - 120 bar	
Airmix		0,23 - 0,38 mm		1,5 - 2,5 bar
Compressed air spraying		1,5 - 2 mm	2,5 - 4 bar	




For more information on Order information, please visit our website, contact our account managers and field service representatives, or contact your specialist dealers.

Technical information

Hesse HYDRO Basecoat HG 6580



Times

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

Finishing

Finishing	Can be coated over with another coat of the same product or appropriate clear materials after 1 - 2 hours at 20°C room temperature with adequate air circulation.
-----------	---

Processing instructions

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

Particular instructions













Do not sand through the product! After adequate drying and proper sanding, paintable with products that are suitable for this application and that have been tailored to the customer's system; see surface technology (TdO).

For more information on Order information, please visit our website, contact our account managers and field service representatives, or contact your specialist dealers.

Technical information

Hesse HYDRO Basecoat HG 6580

Technical data

Flow time (+/- 15%)	 0 s / NA
Yield per coat	 9 - 13 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.
Proportion of renewable raw materi-	 0 %
Non-volatile proportion	 42.5 %
VOC FR	A+
conditions of transport	 10 - 30 °C
Shelf life in weeks	 26
Storage temperature	 10 - 30 °C
Working Temperature Range	 18 - 22 °C
Number of coats (max)	 2
Amount per layer (minimum)	 80 g/m ²
Amount per layer (max)	 120 g/m ²
Total application volume	 240 g/m ²

Particular properties / testing standards

Sign Product standard / basis



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 ("Deco-paint Directive").

Sample process

Wall paneling, natural maple, semi matt

Wood-sanding: 150 - 180 grit, with subsequent dust removal.

Basecoat: 1 x with 100 - 120 g/m² Hesse HYDRO Basecoat HG 6580.

Drying at least 1 h / 20° C room temperature with adequate air circulation. Lacquer sanding 280 grit with following de-dusting.

Final lacquering: 1 x 100 - 120 g/m² Hesse HYDRO Multicoat lacquer HE 65834.

Packable: after at least 16 h / 20 °C room temperature with adequate air circulation.

Ordering information

Order number	Colour tone	Gloss level 60° (Gloss +/-5)	Gloss level
HG 6580			

For more information on Order information, please visit our website, contact our account managers and field service representatives, or contact your specialist dealers.

Technical information

Hesse HYDRO Basecoat HG 6580



Accessories

	Order number	Product description
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.

For more information on Order information, please visit our website, contact our account managers and field service representatives, or contact your specialist dealers.