



### >Product description

Single-component HYDRO primer, water-dilutable pigmented, thixotropic formula, very good filling properties. Filling primer for closed-pore lacquer applications with excellent stability. Free from methylpyrrolidon.

### >Areas of application

For all interior fittings in living areas, on an extremely wide range of wood types, priming foils and MDF, and MDF including edges.

### >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 - 400
Lacquer sanding (grit) from - to	280 - 400
Comments on sanding	Along with the MDF quality and the film quality, the quality and uniformity of the wood sanding, MDF sanding or foil sanding, as well as the lacquer sanding, are critical for the quality of the final surface. After sanding, remove dust as prescribed.

### >Finishing

Finishing	Recoatibility: Can be coated over after sufficient drying time and intermediate sanding, e.g. with HB 65285-(colour tone), HDB 54705-(colour tone). Can also be coated with commonly used HYDRO, PU or CN coloured lacquers and with most standard paints. (Test coat required!)
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### >Times

Working Temperature Range	18 - 22 °C
conditions of transport	10 - 30 °C
Drying	2 h / 20 °C
Stackable after	> 16 h / 20 °C
Complete drying	1 d / 20 °C

### >Application

Application	Nozzle size in mm	Spray pressure in bar	Atomising pressure in bar
Spraying			
Air mix	0,23 - 0,38	60 - 100	1,5 - 2,5
Compressed air spraying	1,5 - 2,0	2,5 - 4	

### >Processing instructions

Sanding of the suitable surface in accordance with regulations. Intermediate sanding primarily by hand or using a Fladder device; subsequent dust removal. Can be thinned with up to 5 % water. 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.



### >Technical data

Flow time (+/- 15 %)	45 s / DIN 53211 - 6 mm
Appearance	opaque
Decopaint basis	WB
Decopaint category	I
Density series kg/l	1.388 - 1.43
Yield per coat	5 - 12 m <sup>2</sup> /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 %	59 - 62
VOC EU %	6 %
VOC FR	C
Working Temperature Range	18 - 22 °C
Storage temperature	10 - 30 °C
Shelf life in weeks	26
conditions of transport	10 - 30 °C
Working temperature	20 °C
Number of coats (max)	3
Amount per layer (minimum)	120 g/m <sup>2</sup>
Amount per layer (max)	300 g/m <sup>2</sup>
Total application volume	600 g/m <sup>2</sup>

### >Ordering information

Order number	Colour tone	Gloss level 60° (Gloss)	Container Size
HP 6633-9005	SCHWARZ	-	25 kg
HP 6633-9343	WEISS	-	7 kg, 25 kg

### >Equipment cleaner

Order number	Product description	Container Size
HV 6917	HYDRO Cleaning agent	1 l, 5 l, 25 l
HV 6904	HYDRO Reversing agent	0.25 l, 1 l, 5 l, 25 l

### >Particular instructions

Woods rich in active substances, such as ash, which tend to discolour when coated with pastel-coloured HYDRO colour systems should always be pre-treated with dual-component primers, such as: HDP 5640-9343. Pre-prime exotic woods such as Macassar ebony or extremely resinous knotty pine with PU Isolating primer DG 4720-0001.

### >Sample process




Cabinet, MDF, white, semi matt MDF sanding, 220 -280 grit, with following de-dusting. Basecoat 2 x 150 - 200 g/m<sup>2</sup> Hesse HYDRO Isolation primer HP 6633-9343. Intermediate drying at least 2 h / 20 °C, or better 16 h / 20 °C room temperature with sufficient air circulation. Graduated lacquer sanding by hand, 240 - 400 grit with following dust removal. Top coating 1 x 110 - 130 g/m<sup>2</sup> Hesse HYDRO PRO-COLOR HB 65285-9010. Packable: after drying for at least 16 h / 20 °C room temperature with sufficient air circulation.



### >General information

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 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! With MDF coatings, you can avoid painting faults and edge breaks if you observe the following: Selection of a suitable MDF quality for the area of application, see manufacturer data on EU standard EN 622-5, pt. 4 Test method EN 317 (requirements on thickness swelling). Ideal panel moisture 5 - 7 %. If possible coat the MDF all around, the backs should at least receive a clear coating. Avoid sharp edges and cutaways, round-off wherever possible. Coat edges and cutaways 2x with primers, do not sand through, if need be, prime again. Thick boards that have been created by gluing together several thinner boards are, due to the variance in tension, susceptible to edge ridging. It is better to select a single MDF board of the appropriate thickness. Panels that have been glued together should always be sanded flat at the edges and colourlessly pre-insulated. Any water introduced by gluing must be allowed to evaporate prior to coating. Store primer-coated surfaces in an air conditioned location and apply the final coat in a timely manner.

### >Particular properties and/or testing standards

Test standard / basis	Testing laboratory	Mark	Report	No.
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			
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			
Green Building - Applicable Standard Specification: 2010 Dubai Green Building Regulations and Specifications (GBRS) Applicable Specific Rules: RD-DP21-2180-(IC) Specific Rules for Certification of Paints and Coating through Factory Assessment as per the 2010 Dubai Green Building Regulations and Specifications.	Dubai Central Laboratory		Certificate No:	CL15020251 (HP 6633-9343)

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](http://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.