Hesse-HYDRO Multicoat lacquer HE 6530 .(degree of gloss) -0100

One-component Hydro-acrylic lacquer, water-dilutable, clear, PVC-fast, resistant to creme and sweat, fast drying. Multicoat lacquer for priming- and top coating for open-cell coatings with good accentuation of the wood grains. Product can be used on bleached wood.
Free from methylpyrrolidone. Free from phthalate softeners, therefore also applicable for the coating of children’s toys and baby accessories.

**Fields of application**
in the entire interior completion, in the living area for doors and living-room, cabinet and children’s furniture, as well as for staircase handrails.

**Handling guidelines**
Two- to triple-coat application with 80 - 120 g/m² on suitable carriers, max. total moist application amount: 360 g/m².
Ground treatment: Graduated raw-wood sanding grain size 120 - 220/ dust removal.
Intermediate sanding grain size 280 - 320/ dust removal.
The quality of the wood sanding is a decisive factor for the quality of the final surface.

**Drying**
Dependent on amount applied, temperature of lacquer and surroundings, humidity, application process and substrate material
Forced drying possible
see under "General Guidelines for Processing of Hydro-materials". Polishable: after 2,5 h 20°C
Stackable: after 16 h 20°C
Recoatable:
- following thorough sanding, possible with itself

**Application example**
door, beech natural, semi matt
- Wood-sanding grain size 120 - 180
- Coating 2 x 100 - 120 g/m²
  Hesse-HYDRO Multicoat lacquer HE 65304-0100
- Intermediate drying for at least 2,5 h 20°C
- Intermediate sanding grain size 280 - 320
- packable after for at least 16 h 20°C

**Gloss level**
- 04-06 Gloss/125 µm dull matt
- 09-11 Gloss/125 µm matt
- Standard version
- 14-16 Gloss/125 µm matt
- 18-22 Gloss/125 µm semi matt
- Standard version
- 38-42 Gloss/125 µm silky gloss
- Standard version
- DIN 67530 / 60° application on photo cardboard

**Technical data**
Delivery Condition: Liquid
Shade: colourless
Supply viscosity: 72 - 78 s / DIN 4 mm/20°C
Non-volatile components: 26 - 27 %
Density: 1,02 - 1,04 kg/l at 20°C
Storage stability: 26 weeks in the closed original container
Storage temperature: 10 - 30°C
Please note actual Safety Data Sheet!

**Application method**
Spraying:
- Air spraying (cup gun)
  Spray nozzle size: 1,5 - 1,8 mm
  Spray pressure: 3 - 4 bar
- Airless, air-assisted
  Spray nozzle size: 0,18 - 0,23 mm
  Spray pressure: 60 - 100 bar
  Atomizing pressure: 2,0 - 2,5 bar
Clean work equipment with water. To remove dried lacquer residue, use HYDRO cleaner HV 6917. For combined work (HYDRO and solvent lacquers), rinse spray guns with Hesse HYDRO cleaning agent HV 6904.

**Special advice**
For finishing coloured, especially pastel-coloured substrates, we recommend HE 6509.

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General guidelines for handling

Of Hydro materials:
When processing HYDRO materials, any material-containing parts must be made of stainless steel. The wood moisture should lie between 8-12%. Please do not process and dry HYDRO lacquers at RT below 18°C. The ideal humidity level for application lies between 55-65%. A too-low level of humidity during the lacquering process leads to shrink cracks; a too-high level delays the drying process. To avoid adhesion problems, please freshly sand the lacquer surfaces before application and whenever possible, immediately apply the top coat to the sanded surfaces. When using on foil, etc, please control adhesion by a test coating on the respective substrate! The optimum complete hardening of the lacquered and flashed-off surfaces is attained at temperatures within the range of > 20 - max. 40°C. Sufficient, draft-free air exchange is to be ensured. The final hardness of the coating is attained, when properly stored (at min. 20°C RT) after one week. Under certain circumstances, timbers with a high wax content (i.e. teak) have a negative influence on the bonding. Application of top coat: on bleached woods, only with 1C HYDRO lacquers and only following an interim drying interval of at least 72 hours after bleaching. Water-soluble wood ingredients such as those from ash and tannic acids from woods like e.g. oak may cause colour changes and discolorations in the coating.
Therefore, as a rule, we recommend to make a test coating to evaluate the colour effect, adhesion and the drying process under practical conditions.

Ordering hints

dull matt HE 65301-0100
mat HE 65302-0100 / Standard version
mat HE 65303-0100
semi mat HE 65304-0100 / Standard version
silky gloss HE 65307-0100 / Standard version

Container sizes 25 l
Productivity per litre 6 - 8 m²
Thinner Wasser max. 5 %
HYDRO HV 6904
HYDRO cleaner HV 6917