

Technical Data Sheet

<i>Description:</i>	Hydro Printing Colour 111
<i>Article Group:</i>	111
<i>Application:</i>	Special Printing Colour for MDF and HDF panels in the field of decor floor printing. Application with 1 – 3 x cylinder printing – indirect gravure.
<i>Characteristics:</i>	Hydro Printing Colour 111 for printed floors is used as a decorative 1 – 3 x cylinder printing on MDF and HDF panels in combination with Hydro Primer and Roller Primer for the field of floorings. Physically drying system on the base of dispersion with very high water resistance. Hydro Printing Colour 111 is used for HDF printed floor systems as printing colour coated with Hydro Primer 118 and Hydro Roller Primer 101 and subsequent UV-coatings on acrylate base. These coatings are suitable for built-ups according to DIN AC-3 for wear and tear as well as DIN EN 15468.
<i>Treatment:</i>	Printing machine
<i>Applied quantity:</i>	approx. 2 – 5 g/sqm
<i>Pot life:</i>	n.a.
<i>Hardener:</i>	n.a.
<i>Dilution:</i>	Water - adjust the viscosity at optimum, max. 10 % (depending on the printing machine). If higher colour difference, use a mixing ratio of 1:1 water / 111.000-00800.
<i>Viscosity:</i>	Delivered viscosity: approx. 22 - 25 sec. DIN cup 4 mm; special adjustment is possible. Progressing viscosity – 15 to 25 s 4 mm, depending on the coating machine.
<i>Curing/Drying:</i>	Printing on preheated panel – approx. 50 – 60° C surface temperature. Intermediate curing by IR or air favourable. Insufficient curing causes a diffuse printing. Final curing IR or air.
<i>Clean-up:</i>	Water; remove dried-on lacquer residues with acetone.
<i>Shelf life:</i>	6 months in an original, unopened canister

Dangerous Goods Classification:

Please notice our actual Material Safety Data Sheet

Special hints:

- Keep frost-free!
- Use only non-corrosive tools and equipment.
- To avoid film building, keep water-based lacquers airtight. Use a filter to remove dried particles, dirt, etc.
- Do not empty water-based lacquers and residues in the drainage system.

Klumpp Coatings manufactures premium quality finishing materials for use in controlled environments utilizing suitable application technologies. It is the user's responsibility to verify product compliance with all applicable regulations or permits before proceeding with use. The user must always pre-test finishing products to verify suitability to the desired use before proceeding with any application. Manufacturer makes no warranties, express or implied, including (but not limited to) warranties of merchantability and fitness for particular purposes. Manufacturer will not be liable for any incidental, consequential or special damages or losses derived, directly or indirectly, from or as a consequence of purchaser's use of this product. Performance data is based upon laboratory testing conducted by Klumpp Coatings as applied under ideal laboratory conditions. Since substrate, environment and application are all significant factors in actual product performance, this information should serve only as a general guide and customers should conduct appropriate performance testing on production substrate samples to verify suitability to the desired use. (July 2009)