

TECHNICAL DATASHEET

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Product name: UVILUX 651-14120 TRANSPARENT R4/R7

Colour code: TRANSPARENT R4/R7

Description & Intended use:

This product is recommended for the industrial lacquering of wooden substrates. Acrylic UV-curable topcoat for roller application in the direct printing process of fiber- and particleboards in high performance lines with a speed > 40m/min. By using an appropriate layer construction and curing conditions, it is possible to achieve R4/R7 chemical resistance according to IOS-MAT-0066.

Characteristics:

Viscosity:	50 ± 10 sec. DIN 6mm/20°C*
Density at 20°C:	1,4 ± 0,1 kg/l
Gloss Grades:	16 – 20* gloss measured at 60° on photocard with a film thickness of 10µm
Solid Content:	> 95 by weight %
VOC:	max.5%
Classification:	No migration of hazardous materials such as heavy metals.

Application:

<i>Preparation:</i>	Stir well before use
<i>Hardener:</i>	None
<i>Thinner:</i>	Not required
<i>Viscosity:</i>	As delivered
<i>Temperature:</i>	The best application temperature is 15 – 45°C
<i>Film Weight:</i>	8 – 12 g/m ²
<i>Application:</i>	Roller coater, with a shore hardness of preferable 40 – 50 shore (Isobutylene/Isoprene-Copolymer or EPDM-Propolymer).
<i>UV-Curing:</i>	Fullcure: > 110mJ/cm ² Hg-Radiator
<i>(Reference value)</i>	UV-Integrator Fa. Kühnast; if UV-Integrator from other suppliers are used, discrepancies in the result are to be expected due to various techniques. Check curing properties before usage.

*Determined on day of product release.

Application technology advice, technical data or recommendations are carried out to the best of our ability, albeit non-binding excluding warranty and limitation on liability. This data sheet will be rendered invalid as soon as replaced by a revised version. Please request the latest version.

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Substrate: This product is especially formulated as roller topcoat to be applied on TEKNOS waterborne basecoat and printing inks. Please consult our technical staff prior to other applications.

Storage: The product should be stored between 5°C and 30°C. At a temperature of $23 \pm 2^\circ\text{C}$ and in its original sealed can the product has a shelf life of up to 12 month from date of production. Higher temperatures reduce the shelf life. Protect from sunlight and frost.

Cleaning: The cleaning solvent may not be mixed with the product. Dispose separately!

Precautions: Avoid contact with skin and eyes.
Refer to Health and Safety Data Sheet.

Health & Safety: Refer to Health and Safety Data Sheet.