

# TECHNICAL DATASHEET

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**Product name:** UVILUX 651-14170 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: 1,3 ± 0,1 kg/l  
Gloss Grades: 78 – 82\* gloss measured at 60° depends on the application and the film thickness.  
Solid Content: > 96 by weight %  
VOC: max. 4%  
Classification: No migration of hazardous materials such as heavy metals.

## Application:

Preparation: Stir well before use  
Hardener: None  
Thinner: Not required  
Viscosity: As delivered  
Temperature: The best application temperature is 15 – 45°C  
Film Weight: 8 – 12 g/m<sup>2</sup>  
Application: Roller coater, with a shore hardness of preferable 40 – 50 shore (Isobutylene/Isopren-Copolymer or EPDM-Propolymer).  
UV-Curing: Fullcure: >110mJ/cm<sup>2</sup> Hg-Radiator  
(Reference value) 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.