

UVILUX HARMONIA 651-14120

UV-curable colourless topcoat

Acrylic UV-curable matt topcoat for roller application in the direct printing process of fiber- and particleboards in high performance lines. This product is recommended for the industrial lacquering of wooden substrates.



By using an appropriate layer construction and curing conditions, it is possible to achieve R4/R7 chemical resistance according to IOS-MAT-0066. Moreover this topcoat contains a certain organic biobased content and thus is able to fulfill the "Better Carbon" requirements according to IKEA. This product contains a certified level of Biomass-balance. Mass balance refers to a ISCC+ certified protocol.



TECHNICAL DATA

Fields of application	Boards, Furniture, Panels
Recommended substrate	HDF, MDF, Wood
Solids	Over 95% by weight
Viscosity	50 ± 10 s in DIN-cup 6 mm at +20 °C
Volatile organic compound (VOC)	Approx. 60 g/l (DIRECTIVE 2010/75/EU) The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet.
Gloss (60°)	Matt
Thinner	The product is delivered ready for use. If you have any questions about product dilution, please contact our technical department.
Density	1.4 ± 0.1 kg/l
Storage	Storage and transportation temperature is +20 ± 5 °C. Storage stability is 1 year in unopened package. Protect from heat and freeze!

DIRECTION FOR USE

Surface preparation	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.
Application method	Roller coating
Recommended amount to be applied	8 – 25 g/m ² (per layer)

Application

Stir thoroughly before use.

Apply by roller coater, with a shore hardness of preferably 40 - 50 shore (Isobutylene/Isoprene-Copolymer or EPDM-Prepolymer).

Application conditions

The recommended application temperature is +20 – +35 °C.

Drying methods

Cures under UV-lamps.

Full curing: > 300 mJ/cm² Hg-radiator (UV-integrator, Kühnast)

When using a UV-integrator from a different manufacturer, expect discrepancies in results due to different techniques. Before use, check the curing properties.

Please contact our technical department for further information.

Cleaning

For more information about cleaning and waste disposal, please contact our technical department.

HEALTH AND SAFETY**Safety and precaution measures**

See safety data sheet.

Teknos Group Oy Takkatie 3, P.O.Box 107 FI-00371 Helsinki, Finland Tel. +358 9 506 091

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