

TEKNOLUX AQUA 1728-62

Water-borne UV-enamel

Water-borne UV-curing enamel. Surface treatment of primed pine, spruce, MDF, HDF and chipboards for use indoors.



Fast drying and UV-curable after evaporation of water. After UV-curing, the enamel is hard-wearing and resistant equal to traditional AC-lacquers.



TECHNICAL DATA

Fields of application	Furniture, Interior doors, Kitchen, Stairs
Recommended substrate	Chipboard, HDF, MDF, Softwood
Solids	Approx. 48% by weight depending on gloss level Approx. 38% by volume depending on gloss level
Viscosity	60-90 s in DIN cup 4.
Volatile organic compound (VOC)	Approx. 22 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.
Colours	Available in all RAL and NCS-S colours or at your request. The colour depends on the used primer. For further information, please contact our laboratory.
Gloss (60°)	10-30 ±5
Density	1.05-1.25 g/ml depending on gloss level
Storage	Most suitable storage temperature is +5°C - +25°C. Store in a tightly closed container. Should not be exposed to direct sunlight. Must not freeze. The storage stability is shown on the label.

DIRECTION FOR USE

Surface preparation	The wood must be free from wood dust and contamination. The wood humidity must be below 15%. The optimum is 7-11%.
Priming	AQUAFILLER 1100, AQUAFILLER 2800, TEKNOCOAT AQUA PRIMER 1875-98, or TEKNOCOAT AQUA PRIMER 1866. UVILUX SEALER 1456 or UVILUX PRIMER 1754.
Application method	Curtain coating May also be applied by spraying. However, this might result in a lower gloss level.
Recommended amount to be applied	75-125 g/m ² wet

Application conditions

Stir thoroughly before use.
For evaluation of ventilation please contact Teknos consultant.
Max. weight for stacking 5 kg/cm² at max. +35°C heartwood temperature.

Certain wood species such as cedar, oak, mahogany, ash, etc. contain water borne extractives, which can leach through the coating and stain opaque finishes. Please contact our technical department for further information.

Drying time

+20°C / 50% RH: 5 min. Flash Off and 20 min. at +20°C + UV-light
+50°C / 50% RH: 5 min. Flash Off and 5 min. at +50°C + UV-light

The drying time is based on an applied amount of 100 g/m².
When re-coating / re-treating an intermediate sanding must be carried out.

Drying methods

UV-Light	Min. UV-dose	Recommended min. peak	Min. UV-dose	Recommended min. peak
Lamp	Mercury 280-320 nm [mJ/cm ²]	Mercury [mW/cm ²]	Gallium 390-450 nm [mJ/cm ²]	Gallium [mW/cm ²]
Full cure	400	650	800	1000

Cleaning

Water, TEKNOCLEAN 1949-00.

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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