

TEKNOLUX AQUA 1728-53

Water-borne UV-enamel

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

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



TECHNICAL DATA

Fields of application	Furniture, Interior doors, Stairs
Recommended substrate	Chipboard, HDF, MDF, Softwood
Solids	Approx. 36-39% by volume depending on gloss level Approx. 39-49% by weight depending on gloss level
Viscosity	19-35 s in DIN-cup 6.
Volatile organic compound (VOC)	Approx. 12 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. Other colours by agreement. The colour depends on the used primer. For further information please contact our laboratory. Only factory tinting.
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. Protected against frost and not above +30°C. Should not be exposed to direct sunlight. The storage stability is shown on the label. Store in a tightly closed container.

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, AQUA FILLER 2800, TEKNOCOAT AQUA PRIMER 1875-98 or TEKNOCOAT AQUA PRIMER 1866. UVILUX SEALER 1456 or UVILUX PRIMER 1754.
Application method	Airless spraying, Air-assisted airless spraying, Conventional spraying
Recommended amount to be applied	75-125 g/m ² wet depending on primer and substrate.

Application	Equipment	Thinner	Suggested viscosity DIN cup 6 mm, +20°C
	Conventional	Water 0-5%	Delivery viscosity
	Airless		Delivery viscosity
	Air-assisted airless		Delivery viscosity

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 timbers 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	Flash off depending on amount, primer, substrate	Temperature / RH	Drying	UV-light
	5-15 min.	+50°C / 50%	10-15 min.	+
	5-15 min.	+80°C / 50%	5-7 min.	+

The drying time is based on an applied amount of 100 g/m².

When re-coating 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.

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