

TEKNOLUX AQUA 1728-12

Water-borne UV-enamel

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

Quick 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	Interior doors, Kitchen furniture, Mouldings
Recommended substrate	Chipboard, HDF, MDF, Softwood
Solids	44-55% by weight depending on gloss level 35-45% by volume depending on gloss level
Viscosity	Delivery viscosity 20-50 s / DIN cup 6.
Volatile organic compound (VOC)	Approx. 54 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	RAL, NCS S and BS. Other colours by agreement. Available in base 1 (white) and base 3 (clear). The colour depends on the used primer. For further information, please contact our laboratory. TEKNOLUX AQUA 1728-12 is supplied to be tinted in the specified Teknos tinting system, and it is recommended only to use recipes that are already listed in Teknos' tinting machines. When changing any listed tinting recipe, Teknos' product liability elapses.
Tinting system	Teknolor
Gloss (60°)	Semi-matt
Density	1.05-1.25 g/ml dependng 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, 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
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Recommended amount to be applied	75-125 g/m²
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Application	Equipment	Thinner	Suggested viscosity DIN cup 6 mm, +20°C
	Conventional spraying	Water up to 4%	20-35 s
	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.
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	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.
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Drying time	15 min. flash off, drying at +50°C / 50% RH: 10-15 min. + UV-light. 15 min. flash off, drying at +80°C / 50% RH: 5-7 min. + UV-light. The drying time is based on an applied amount of 100 g/m². When re-coating an intermediate sanding must be carried out.
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Drying methods	Convection oven + UV-light.
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UV-light	Min. UV-dose	Recommended min. peak	Min. UV-dose	Recommended min. peak
Lamp	Mercury UVA [mJ/cm²]	Mercury UVA [mW/cm²]	Gallium UVV [mJ/cm²]	Gallium UVV [mW/cm²]
Full cure	400	650	800	800

Cleaning	Water, TEKNOCLEAN 1949-00.
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HEALTH AND SAFETY

Safety and precaution measures	See safety data sheet.
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