

# TEKNOLUX AQUA 1728-13

## 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

<b>Fields of application</b>	Interior doors, Kitchen furniture, Mouldings
<b>Recommended substrate</b>	Chipboard, HDF, MDF, Softwood
<b>Solids</b>	44-55% by weight depending on gloss level 35-45% by volume depending on gloss level
<b>Viscosity</b>	Delivery viscosity 20-50 s / DIN 6.
<b>Volatile organic compound (VOC)</b>	Approx. 49 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.
<b>Colours</b>	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.
<b>Tinting system</b>	Teknolor
<b>Gloss (60°)</b>	Semi-matt
<b>Density</b>	1.05-1.25 g/ml dependng on gloss level.
<b>Storage</b>	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

<b>Surface preparation</b>	The wood must be free from wood dust and contamination. The wood humidity must be below 15%. The optimum is 7-11%.
<b>Priming</b>	AQUAFILLER 1100, TEKNOCOAT AQUA PRIMER 1875-98 or TEKNOCOAT AQUA PRIMER 1866. UVILUX SEALER 1456 or UVILUX PRIMER 1754.
<b>Application method</b>	Airless spraying, Air-assisted airless spraying, Conventional spraying

**Recommended amount to be applied**75-125 g/m<sup>2</sup>**Application**

Equipment	Thinner	Suggested viscosity DIN cup 6 mm, 20 °C
Conventional spraying	Water 1-10%	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/cm<sup>2</sup> 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**

Drying at +20 °C / 50 % RH: 30 min. + UV-light

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 15 min. flash off

The drying time is based on an applied amount of 100 g/m<sup>2</sup>.

When re-coating an intermediate sanding must be carried out.

**Drying methods**

Convection oven + UV-light.

UV-Light	Min. UV dose	Recommended min. peak	Min. UV dose	Recommended min. peak
Lamp	Mercury UVA [mJ/cm <sup>2</sup> ]	Mercury UVA [mW/cm <sup>2</sup> ]	Gallium UVV [mJ/cm <sup>2</sup> ]	Gallium UVV [mW/cm <sup>2</sup> ]
Full cure	400	650	800	800

**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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