

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

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| 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

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| 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 | Airless spraying, Air-assisted airless spraying |
| 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.

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