

LUMINOL 2 D LACQUER 35

DESCRIPTION	A water-borne urethane polyester lacquer, to be cured by LED UV-light.									
EMISSION CLASSIFICATION	The lacquer does not contain free formaldehyde and after drying it does not emit formaldehyde to the environment.									
PRODUCT FEATURES AND RECOMMENDED USES	<ul style="list-style-type: none"> ◆ Excellent resistance to abrasion and chemicals. ◆ Suitable for furniture, doors of kitchen fittings, stairs and other wooden surfaces. 									
TECHNICAL DATA										
Solids content	abt. 40 % by volume, 44 % by weight.									
Specific gravity	1.1 kg/litre.									
Product code	900 3071									
Theoretical coverage	4 - 5 m ² /l (100 µm). Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.									
Application details	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Application technique</td> <td style="padding: 2px;">Viscosity DIN4</td> </tr> <tr> <td style="padding: 2px;">Low pressure spraying</td> <td style="padding: 2px;">30 - 40 s</td> </tr> <tr> <td style="padding: 2px;">Airmix or airless spraying</td> <td style="padding: 2px;">35 - 50 s</td> </tr> <tr> <td style="padding: 2px;">Curtain coating</td> <td style="padding: 2px;">50 - 70 s</td> </tr> </table>		Application technique	Viscosity DIN4	Low pressure spraying	30 - 40 s	Airmix or airless spraying	35 - 50 s	Curtain coating	50 - 70 s
Application technique	Viscosity DIN4									
Low pressure spraying	30 - 40 s									
Airmix or airless spraying	35 - 50 s									
Curtain coating	50 - 70 s									
Drying times (60 - 100 g/m²)	Dry to stack immediately after LED UV curing. Water should be allowed to flash off before UV curing. Flash-off time depends on the temperature and the amount and the speed of the air.									
Required LED UV-energy	400 mJ/cm ² (New American calibration).									
Thinner	Water.									
Cleaning of equipment	Water.									
Gloss	ISO 2813/60°	30 - 40								
Colours	Colourless.									

LUMINOL 2 D LACQUER 35

APPLICATION DETAILS

Application	Stir the lacquer carefully before use. Thin with water to the viscosity required if necessary.
Application conditions	The surface to be treated has to be clean and dry. During application and drying the temperature of the air, the surface to be treated and the lacquer has to be over 18 °C and the relative humidity of the air below 70 %.
VOC	The Volatile Organic Compounds amount is 50 g/litre of lacquer. Maximum VOC content in ready to use lacquer (thinned 10 % by volume) is 40 g/l.
HEALTH AND SAFETY	Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets. A health and safety data sheet is available on request from Tikkurila Oy.

hfa02022009/ktk030209/9003071