

Technical Data Sheet

EM1401-0030LVNY

Laqvin Clear 30

Product description

Waterborne lacquer for exterior finishing. Designed for windows, doors and other wooden surfaces. Provides a flexible finishing with good outdoor durability. Characteristic for this lacquer is the good scratch resistance and good stackability. This lacquer is the final layer in a finishing system containing an impregnator and a stain. To improve the exterior durability the lacquer should be slightly tinted with pigments.

Product data

Gloss:	27-33	Gardner 60°
Solid content:	38 ±1	[weight %] theoretical
Specific gravity:	1020 ±30	[kg/m ³]
Viscosity:	69-71	[KU] Stormer
PH	7-9,5	test performed at 23 °C
Frost sensitive:	Yes	
Storing:	12 months	At 5-30 °C Storing at higher temperature reduces shelf life, do not expose to direct sunlight
Process Temperature:	18-30 °C	To achieve the best result and consistency follow the application and surface temperatures given in Schedule of Application for each specific technology and production line.

Mixing/Application

Recommended application method	Hardener	Amount hardener [Parts by vol]	Dilutant	Application viscosity	Application amount [g/m ²]	Notes
Air mix spraying			Water	Del. Viscosity	150-220	Paintpressure > 80 bar
Air less spraying			Water	Del. Viscosity	150-200	Paintpressure > 140 bar
High speed bell/disc			Water	Del. Viscosity	150-200	
Conventional spraying	Not recommended					
Stir well before use!						
Cleaning:	Water XX699					

Drying

Method	Drying condition	Drying time	Notes
Air Drying	Room temperature 20 °C	> 2 hours	To handling
Forced drying	30 - 40 °C	30-60 minutes	To handling
Forced drying	40 - 50 °C	20-30 minutes	To handling
IRM	Not recommended		

All kind of drying requires good ventilation and circulation

Do not stack before surface temperature below 30 °C

Exterior products: should not be exposed to water, water condensation or temperatures below 0 °C with in 48 h after application

Curing

UV-dose	Min UV dose [mJ/cm ²]	Rec min Peak. [mW/cm ²]	Min UV dose [mJ/cm ²]	Rec min Peak. [mW/cm ²]
	Hg lamps (280-320 nm)	Hg	Ga lamps (390-450 nm)	Ga
Full cure	N/A			
Semi cure	N/A			

Note - Required Peak/Energy is depending on several factors, such as substrate, amount of application, number of layers and type of UV oven / reflectors. Recommended application amounts and Peak/Energy values will be stated in the finishing instruction/process control submitted by technician.

General information

According to Swedish legislation we provide information regarding dangerous materials. The Safety Data Sheet contains facts about the components, primarily solvents and acids which present the dangerous characteristics. The Safety Data Sheet will be sent on request. All values and recommendations above are to be considered as guidance only. Many factors beyond our control may have an influence on the coating result. Should a problem arise, please contact us and we will advise accordingly. We reserve the right to alter the above specifications.

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