

Technical Data Sheet

WM1659-0025

Aqualight clear 25

Product description

Waterborne-UV clear lacquer for interior furniture and fittings. Gives good clarity and anfeuerung on different wood species. Surface after curing are hard and resistant against both chemicals and mechanical wear. A good choice for stairs since it minimizes the risk of creaking

Product data

Gloss:	27-31	Gardner 60°	
Solid content:	37 ±1	[weight %] theoretical	
Specific gravity:	1050 ±30	[kg/m ³]	
Viscosity:	40-45	[s] DIN 4	test performed at 23 °C
pH:	6-9		
Frost sensitive:	Yes		
Storing:	6 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 [s] DIN 4 delivered	Application amount [g/m ²]	Notes
Air mix spraying				delivered	80-100	
Air less spraying				delivered	80-100	Paint pressure should be above 120 bar
Stir well before use!						
Cleaning:	XX699					
	Water					

Drying

Method	Drying condition	Drying time	Notes
Air Drying	20 °C	30-40 min	Depends on amounts applied
Forced drying	50 °C	10-20 min	Depends on amounts applied

All kind of drying requires good ventilation and circulation
Do not stack before surface temperature below 30 °C

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	400	200	N/A	
Semi cure	N/A		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.

Date issued: **2019-03-06**

Latest update: 180926