

Technical Data Sheet

WH1669-95003

Aqualight Top 30

Product description

Waterborne-UV topcoat aimed for usage on stairs. Gives good chemical resistance and fast drying. The product has good intercoat adhesion but brushsanding is recommended before repainting. Available in white and off white colors and with several different gloss levels. Tinting to other colors than off white should not be done without consulting responsible person at the development lab or product manager.

Product data

Gloss:	25-30	Gardner 60°	
Solid content:	45 ±1	[weight %] theoretical	
Specific gravity:	1160 ±30	[kg/m ³]	
Viscosity:	40-50	[s] DIN 4	test performed at 23 °C
PH	7-9,5		
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	Application amount [g/m ²]	Notes
Air mix spraying				delivery	80-100	
Air less spraying				delivery	80-100	paint pressure above 120 bar
Stir well before use!						
Cleaning:	XX699					
	Water					

Drying

Method	Drying condition	Drying time	Notes
Air Drying	20-25 °C	15-20 min	Depends on amount applied
Jet air	50-55 °C	5-10 min	Depends on amount applied

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/cm2]	Rec min Peak. [mW/cm ²]	Min UV dose [mJ/cm2]	Rec min Peak. [mW/cm ²]
	Hg lamps (280-320 nm)	Hg	Ga lamps (390-450 nm)	Ga
Full cure			1200	500
Semi cure				

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 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: 2018-06-12

Latest update: 2016-06-20