Sherwin-Williams

Technical Data Sheet

DM307-0020SL
Care Clear 20

Product description

Acid catalyst clear lacquer. This is a a general purpose wetting lacquer for most wooden substrates. Fast drying lacquer sutible for fast production lines.

Product data

Gloss:	18-22	Gardner 60°
Solid content:	41 ±1	[weight %] theoretical
Specific gravity:	930-990	[kg/m³]
Viscosity:	65-75	[s] DIN 4 test performed at 23 °C

Frost sensitive:	No	
Storing incl transportation:	12 months	At 0-30 °C
		Storing at higher temperature reduces shelf life, do not expose to direct sunlight
Process Temperature:	18-30 °C	To achive the best result and consistency follow the application and surface temperatures given in Schedule of Apllication for each specific technology and production line.

Mixing/Application

Recommended application method	Hardener	Amount hardener [Parts by vol]	Dilutant	Application viscosity [s] DIN 4	Application amount [g/m²]	Notes
Air mix spraying	DV309	8	DT890	17-25	70-100	Hardener added to 100 vol parts of paint
Curtain coater	DV309	8	DT890	25-30	80-120	Hardener added to 100 vol parts of paint

Stir well before use!

Cleaning:	NT019
	DT890

Drying

Method	Drying condition	Drying time	Notes
Air Drying	20 °C	4-6 h	Depends on amounts applied
Forced drying	50 °C	30-40 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/cm²] Hg lamps (280-320 nm)	Rec min Peak. [mW/cm²] Hg	Min UV dose [mJ/cm²] Ga lamps (390-450 nm)	Rec min Peak. [mW/cm²] Ga
Full cure	N/A		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.

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