SHERWIN-WILLIAMS.

Technical Data Sheet

DM308-0018 Care Clear 18

Product description

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

Product data						
Gloss:	16-20		Gardner 60°			
Solid content:	35 ±1		[weight %] theoretical			
Specific gravity:	970 ±30		[kg/m ³]			
/iscosity:	110-120		s] DIN 4 test performed at 23 °C			
Frost sensitive:		No				
Storing:		12 months	At 0-30 °C			
			Storing at higher tempera	ture reduces shelf li	fe, do not expose to d	irect 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	-	Amount		Application	Application	
method	Hardener	hardener	Dilutant	viscosity	amount	Notes
		[Parts by vol]		[s] DIN 4	[g/m²]	
Air mix spraying	DV309	5	DT890	17-25	80-120	Hardener added to 100 vol parts of pair
			Stir well before use!			
Cleaning:	NT019		Still well before use:			
	DT890					
Drying						
Method	Drying	condition	Drying t	ime	Notes	
		condition 0 °C	Drying t 10-16		Notes Depends on amou	unts applied
Air Drying	2			h		
Air Drying	2	0 °C	10-16	h	Depends on amou	
Air Drying Forced drying	2	0 °C 0 °C	10-16	h	Depends on amou	
Air Drying Forced drying All kind of drying requires good ve	2 5 entilation and circu	0 °C 0 °C	10-16	h	Depends on amou	
Air Drying Forced drying All kind of drying requires good ve Do not stack before surface temp	2 5 entilation and circu	0 °C 0 °C	10-16	h	Depends on amou	
Air Drying Forced drying All kind of drying requires good ve Do not stack before surface tempo Curing	2 2 5 entilation and circu erature below 30 °	0 °C 0 °C	10-16	h nin	Depends on amou	
Air Drying Forced drying All kind of drying requires good ve Do not stack before surface tempo Curing	2 entilation and circu erature below 30 ° Min L	0 °C 0 °C Ilation C	10-16 20-30 r Rec min Peak.	h nin Min L	Depends on amou Depends on amou	unts applied Rec min Peak.
Air Drying Forced drying All kind of drying requires good ve Do not stack before surface tempo Curing	2 entilation and circu erature below 30 ° Min L [m.	0 °C 0 °C llation C JV dose J/cm ²]	10-16 20-30 r Rec min Peak. [mW/cm²]	h nin Min L [mJ	Depends on amou Depends on amou JV dose I/cm²]	nts applied Rec min Peak. [mW/cm²]
Air Drying Forced drying All kind of drying requires good ve Do not stack before surface tempo Curing JV-dose	2 entilation and circu erature below 30 ° Min L [m. Hg lamps (0 °C 0 °C llation C JV dose J/cm ²] (280-320 nm)	10-16 20-30 r Rec min Peak.	h nin Min L [mJ Ga lamps (Depends on amou Depends on amou JV dose I/cm²] (390-450 nm)	unts applied Rec min Peak.
Air Drying Forced drying All kind of drying requires good ve Do not stack before surface temp Curing JV-dose	2 entilation and circu erature below 30 ° Min L [m. Hg lamps (N	0 °C 0 °C llation C JV dose J/cm ²] (280-320 nm) N/A	10-16 20-30 r Rec min Peak. [mW/cm²]	h nin Min L [mJ Ga lamps (N	Depends on amou Depends on amou JV dose I/cm²] (390-450 nm) I/A	nts applied Rec min Peak. [mW/cm²]
Air Drying Forced drying All kind of drying requires good ve Do not stack before surface temp Curing UV-dose Full cure Semi cure	2 entilation and circu erature below 30 ° Min L [m. Hg lamps (N	0 °C 0 °C Ilation C J/V dose J/cm ²] (280-320 nm) N/A N/A	10-16 20-30 r Rec min Peak. [mW/cm ²] Hg	h nin Min L [mJ Ga lamps (N	Depends on amou Depends on amou JV dose I/cm²] 390-450 nm) I/A	Rec min Peak. [mW/cm²] Ga
Air Drying Forced drying All kind of drying requires good ve Do not stack before surface temp Curing UV-dose Full cure Semi cure Note - Required Peak/Energy is de	2 i entilation and circu erature below 30 ° Min L [m. Hg lamps (N epending on severa	0 °C 0 °C Ilation C JV dose J/cm ²] (280-320 nm) N/A N/A al factors, such as su	10-16 20-30 r Rec min Peak. [mW/cm²] Hg bstrate, amount of applicat	h nin Min L [mJ Ga lamps (N N sion, number of laye	Depends on amou Depends on amou JV dose I/cm²] 390-450 nm) I/A	Rec min Peak. [mW/cm²] Ga
Air Drying Forced drying All kind of drying requires good ve Do not stack before surface tempo Curing JV-dose Full cure Semi cure Note - Required Peak/Energy is de and Peak/Energy values will be sta	2 i entilation and circu erature below 30 ° Min L [m. Hg lamps (N epending on severa	0 °C 0 °C Ilation C JV dose J/cm ²] (280-320 nm) N/A N/A al factors, such as su	10-16 20-30 r Rec min Peak. [mW/cm²] Hg bstrate, amount of applicat	h nin Min L [mJ Ga lamps (N N sion, number of laye	Depends on amou Depends on amou JV dose I/cm²] 390-450 nm) I/A	Rec min Peak. [mW/cm²] Ga
Air Drying Forced drying All kind of drying requires good ve Do not stack before surface tempe Curing UV-dose Full cure Semi cure Note - Required Peak/Energy is de and Peak/Energy values will be sta General information According to Swedish legislation v present the dangerous characteries	2 entilation and circu erature below 30 ° Min L [m. Hg lamps (N epending on severa ated in the finishing ve provide informa stics. The Safety Da	0 °C 0 °C JV dose J/cm ²] (280-320 nm) N/A al factors, such as su g instruction/proces	10-16 20-30 r Rec min Peak. [mW/cm ²] Hg bstrate, amount of applical s control submitted by tech erous materials. The Safety t on request. All values and	h nin Min L [mJ Ga lamps (N ion, number of laye nician. Data Sheet contain recommendations	Depends on amou Depends on amou JV dose /cm²] 390-450 nm) 4/A 4/A rs and type of UV over s facts about the comj above are to be consid	Rec min Peak. [mW/cm²] Ga
and Peak/Energy values will be sta General information According to Swedish legislation w present the dangerous characteris	2 entilation and circu erature below 30 ° Min L [m. Hg lamps (N epending on severa ated in the finishing ve provide informa stics. The Safety Da	0 °C 0 °C JV dose J/cm ²] (280-320 nm) N/A al factors, such as su g instruction/proces	10-16 20-30 r Rec min Peak. [mW/cm ²] Hg bstrate, amount of applicat s control submitted by tech erous materials. The Safety t on request. All values and rise, please contact us and	h nin Min L [mJ Ga lamps (N ion, number of laye nician. Data Sheet contain recommendations	Depends on amou Depends on amou JV dose //cm²] 390-450 nm) I/A I/A rs and type of UV over s facts about the comp above are to be consid dingly. We reserve the	n / reflectors. Recommended application amoun