SHERWIN-WILLIAMS.

Technical Data Sheet

WM1659-0025 Aqualight clear 25

Product description

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

| Product data | | | | | | |
|--|--|--|--|---|--|---|
| | | | | | | |
| Gloss: | 27-31 | 1 | Gardner 60° | | | |
| Solid content: | 37 ±1 | | [weight %] theoretical | | | |
| specific gravity: | 1050 ±30 | | [kg/m³] | | | |
| /iscosity: | 40-45 | | [s] DIN 4 | | test performed | at 23 °C |
| bH: | 6-9 | Э | | | | |
| Frost sensitive: | | Yes | | | | |
| Storing: | | 6 months | At 5-30 °C | | | |
| | | | Storing at higher temp | erature reduces sh | nelf life, do not expo | se 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 | - | Amount | | Application | Application | |
| method | Hardener | hardener | Dilutant | viscosity | amount | Notes |
| | | [Parts by vol] | | [s] DIN 4 | [g/m²] | |
| Air mix spraying | | , | | delivered | 80-100 | |
| Air less spraying | | | | delivered | 80-100 | Paint pressure should be above 120 bar |
| 1 7 0 | | | | | | |
| | | | | | | |
| Classing. | XXC00 | | Stir well before use | ! | | |
| Cleaning: | XX699 Water | | | | | |
| | Water | | | | | |
| Drying | | | | | | |
| | | | | | | |
| Viethod | Drying | condition | Drying | time | Notes | |
| | | condition 0 °C | Drying 30-40 | | Notes Depends on am | ounts applied |
| Air Drying | 2 | | | min | | |
| Air Drying | 2 | 0 °C | 30-40 | min | Depends on am | |
| Air Drying Forced drying | 21 | 0 °C 0 °C | 30-40 | min | Depends on am | |
| Air Drying Forced drying All kind of drying requires good ve | 2 5 entilation and circul | 0 °C 0 °C ation | 30-40 | min | Depends on am | |
| ir Drying orced drying Il kind of drying requires good ve to not stack before surface temp | 2 5 entilation and circul | 0 °C 0 °C ation | 30-40 | min | Depends on am | |
| ir Drying orced drying Il kind of drying requires good ve o not stack before surface temp Curing | 2 entilation and circul lerature below 30 °(| 0 °C 0 °C ation | 30-40 | min min | Depends on am | |
| ir Drying orced drying Il kind of drying requires good ve o not stack before surface temp Curing | entilation and circul lerature below 30 °C Min U | 0 °C 0 °C ation C | 30-40 10-20 | min min Min U | Depends on am Depends on am | ounts applied |
| ir Drying orced drying Il kind of drying requires good ve to not stack before surface temp Curing | 2. entilation and circul erature below 30 °C Min L [mJ | 0 °C 0 °C ation C JV dose | 30-40 10-20 Rec min Peak. | min min Min L [m] | Depends on am Depends on am | ounts applied Rec min Peak. |
| ir Drying orced drying Il kind of drying requires good ve o not stack before surface temp Curing IV-dose | entilation and circul erature below 30 °C Min L [mJ Hg lamps (| 0 °C 0 °C ation C JV dose J/cm²] | 30-40 10-20 Rec min Peak. [mW/cm ²] | min min Min L [mJ Ga lamps (| Depends on am Depends on am JV dose I/cm ²] | nounts applied Rec min Peak. [mW/cm²] |
| ir Drying orced drying Il kind of drying requires good ve to not stack before surface temp Curing IV-dose ull cure | entilation and circul rerature below 30 °C Min L [mJ Hg lamps (2 | 0 °C 0 °C ation C JV dose I/cm ²] (280-320 nm) | 30-40 10-20 Rec min Peak. [mW/cm ²] Hg | min min Min L [mJ Ga lamps (N | Depends on am Depends on am JV dose I/cm ²] (390-450 nm) | nounts applied Rec min Peak. [mW/cm²] |
| Air Drying Forced drying All kind of drying requires good ve to not stack before surface temp Curing JV-dose Full cure Formi cure Note - Required Peak/Energy is de | 2 i entilation and circul erature below 30 °C Min L [m] Hg lamps (2 N epending on several | 0 °C 0 °C ation C JV dose I/cm ²] (280-320 nm) 400 V/A I factors, such as sub | 30-40 10-20 Rec min Peak. [mW/cm ²] Hg 200 | min min Min L [m] Ga lamps (N sation, number of l | Depends on am Depends on am JV dose I/cm ²] (390-450 nm) I/A J/A ayers and type of UN | nounts applied Rec min Peak. [mW/cm²] |
| Air Drying Forced drying All kind of drying requires good ve Do not stack before surface temp Curing JV-dose Full cure Semi cure Note - Required Peak/Energy is de imounts and Peak/Energy values | 2 i entilation and circul erature below 30 °C Min L [m] Hg lamps (2 N epending on several | 0 °C 0 °C ation C JV dose I/cm ²] (280-320 nm) 400 V/A I factors, such as sub | 30-40 10-20 Rec min Peak. [mW/cm ²] Hg 200 | min min Min L [m] Ga lamps (N sation, number of l | Depends on am Depends on am JV dose I/cm ²] (390-450 nm) I/A J/A ayers and type of UN | nounts applied Rec min Peak. [mW/cm²] Ga |
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