

Lo-Vel™ 8100

Wax-Treated Flatting Agent

Performance Data Sheet

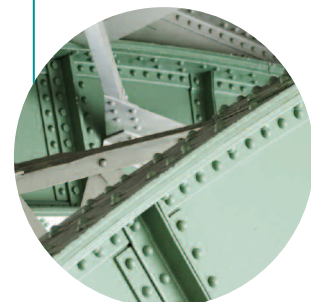
Alkyd Nitrocellulose Lacquer ¹	Lo-Vel 8100 Flatting Agent	Gel-Based Silica
Hegman Value	6.5L	6.5L
Viscosity ² (#2 spindle @ 10 rpm), cP	228	226
Viscosity ² (#2 spindle @ 100 rpm), cP	216	226
Dry Film Silica Loading, %	5.6	5.6
Bird Bar, mils	3	3
20° Gloss	1.3	2.1
60° Gloss	9.9	15.0
85° Gloss	14.7	24.9



2K Waterborne Polyurethane Soft Touch Coating ³	Lo-Vel 8100 Flatting Agent	Gel-Based Silica	
Flatting Concentrate	Silica Loading, %	5.9	7.2
	Hegman Value	6.1L	6.1L
	Viscosity ² (#6 spindle @ 10 rpm), cP	39,400	>100,000
	Viscosity ² (#6 spindle @ 100 rpm), cP	5,230	>10,000
Finished Enamel	Dry Film Silica Loading, %	11.9	14.3
	Rod #	20	20
	20° Gloss	0.8	0.8
	60° Gloss	11.7	11.2
	85° Gloss	3.7	3.6

Applications

- Wood Coatings
- Appliance Finishes
- Aircraft Coatings
- Metal Furniture Finishes
- Vinyl Fabric Lacquers
- Soft Feel Coatings
- Coil Coatings



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Safety and Health Effects

PPG Industries is committed to safe handling of chemicals at every step of the process, from manufacturing and distribution through education of the end user. Our participation in the American Chemistry Council's Responsible Care® Program is evidence of our commitment to the health, safety and welfare of our employees and the industry.



PPG Industries recommends that, before use, anyone using or handling this product thoroughly read and understand the information and precautions on the label, as well as in other product safety publications such as the Material Safety Data Sheet. Any health hazard and safety information contained herein should be passed on to your customers or employees, as the case may be. The products mentioned herein can be hazardous if not used properly. Like all potentially hazardous materials, this product must be kept out of the reach of children.

Samples

Gallon containers and bag-size samples are available upon request from Technical Service.

1. DEFT Clear Wood Finish, Gloss Brillante is an Alkyd Nitrocellulose based lacquer manufactured by DEFT Incorporated, Irvine, California. Silica was introduced into the Lacquer at 1,500 rpm for 15 minutes with a medium lift impeller. The resultant silica containing samples were applied on to a form 3B opacity Leneta card using a Gardner automatic drawdown unit fitted with a #0.003" bird bar applicator. Coated cards were immediately dried at room temperature for 10 minutes then baked at 50°C for 25 minutes.
2. Measured on Brookfield DV type viscometer.
3. Two-Component Waterborne Special Effect Coating, Formulation NB# 4027524C, Bayer Corporation, Two-Component Waterborne Polyurethane Coating Technology Bulletin, 2002, Page 12. Component I (Flatting Concentrate) was prepared without the Black Pigment Paste and Degussa Acematt® OK412. All other procedural steps were carried out in accordance with the formulation. Resultant enamels were applied to clear polyester sheets using a #20 wire wrap rod. Coated sheets were immediately air dried at room temperature for 40 minutes then baked at 50°C for 30 minutes.



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