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Technical date sheet						
White Solvent-based Ordinary Road Marking Paint						
Test Item			Technical Requirement	Test Result		
				Test Value	Single Item Conclusion	
1	State in Container		No caking, skinning, easy to stir, and uniform color after stirring.	Meets requirements	pass	
2	Harmful Substance Content	VOC Content (g/kg)		≤350	262	pass
		Heavy Metal Content (mg/kg)	Lead (Pb)	≤100	12	pass
			Cadmium (Cd)	≤100	0	pass
			Chromium (Cr)	≤100	0	pass
			Mercury (Hg)	≤100	8	pass
			Arsenic (As)	≤100	32	pass
			Antimony (Sb)	≤100	6	pass
3	Application Performance		Good application performance during airless or air-assisted spraying, troweling, splashing, rolling, and forming.	Meets requirements	pass	
4	Coating Appearance		After drying, the coating shall be free of wrinkles, spots, blisters, cracks, peeling, tackiness, etc., with uniform color.	Meets requirements	pass	
5	Chromatic Performance (45°/0°)	White	Chromaticity Coordinates (x,y)	Within the quadrilateral formed by the chromaticity coordinates of the following four corner points: (0.350,0.360); (0.305,0.315); (0.295,0.325); (0.340,0.370)	x:0.315; y:0.333	pass
			Luminance Factor	≥0.80	0.84	pass
		Yellow	Chromaticity Coordinates (x,y)	Within the quadrilateral formed by the chromaticity coordinates of the following four corner points: (0.545,0.454); (0.494,0.426); (0.444,0.476); (0.481,0.518)	/	/
			Luminance Factor	≥0.48	/	/
6	Water Resistance		No discoloration, wrinkling, blistering, cracking, etc. after soaking in water for 24h.	Meets Requirements	pass	
7	Alkali Resistance		No discoloration, wrinkling, blistering, cracking, etc. after immersion in a saturated calcium hydroxide solution for 24h.	Meets Requirements	pass	
8	Artificial Accelerated Weathering Resistance		After artificial accelerated weathering test: slight chalking and discoloration are allowed; chromaticity coordinates shall comply with the scope specified in Item 5; the change range of luminance factor shall not exceed 20%.	Test value see Test Report No. 2023-CA04-025	pass	
9	Density (g/cm³)		≥1.2	1.70	pass	
10	Viscosity (η), s		100≤η≤150	149	pass	
11	Non-tacky Drying Time (min)		≤15	11	pass	
12	Hiding Power (%)	White	≥95	98	pass	
		Yellow	≥80	/	/	
13	Abrasion Resistance (mg) (Weight loss after 200 revolutions / 1000g)		≤60	51.0	pass	
14	Adhesion (Cross-cut Method)		≤4 Grade	2 Grade	pass	
15	Flexibility ,mm		≤5	1	pass	
16	Solid Content (%)		≥60	73.8	pass	