

Premium Paints Approved for 2024/25 Construction Season

TEST METHODS			TOLERANCE	PPG White Paint Formulation EF-61-0139 (Tested 2023/24)	PPG Yellow Paint Formulation EF-62-0139 (Tested 2023/24)	Ozark Materials White Paint Formulation 17251B (Tested 2023/24)	Ozark Materials Yellow Paint Formulation 27251B (Tested 2023/24)	Ozark Materials White Paint Formulation 17251A (Tested 2024/25)	Ozark Materials Yellow Paint Formulation 27251A (Tested 2024/25)	PolyMight International Inc. White Paint Formulation 10-3070 (Tested 2024/25)	PolyMight International Inc. Yellow Paint Formulation 10-3071 (Tested 2024/25)	PolyMight International Inc. White Paint Formulation 10-3008 (Tested 2024/25)	PolyMight International Inc. Yellow Paint Formulation 10-3009 (Tested 2024/25)	International Striping Products (ISP) White Paint Formulation KW-29 (Tested 2023/24)	International Striping Products (ISP) Yellow Paint Formulation KY29 (Tested 2023/24)
				Waterborne Paint	Waterborne Paint	Waterborne Paint	Waterborne Paint	Waterborne Paint	Waterborne Paint	Waterborne Paint	Waterborne Paint	Waterborne Paint	Waterborne Paint	Waterborne Paint	Waterborne Paint
Relative Density	ASTM D1475	(25/25°C)	±0.050	1.651	1.576	1.663	1.652	1.677	1.671	1.643	1.605	1.607	1.603	1.676	1.605
Viscosity	ASTM D562	(Krebs)	±5	80.4	78.6	82.0	82.5	87.8*	87*	79.7	80.8	79.4	76.4	76.2	77.4
Drying Time(minutes)	ASTM D1640	Set to Touch	±2 min.	3.0	3.4	2.5	2.8	3	2.2	2.4	2.5	2.0	2.2	3.5	3.5
	ASTM D711	Dry to Traffic	±20 %	8.8	13.1	8.2	8.3	9.3	7.2	8.5	8.0	7.2	7.2	9.1	9.5
Non-Volatile Content	CGSB 71(17.1) 1-GP-	(% wt.)	±2 % (absolute)	78.7	77.3	75.7	76.3	76.1	78.1	77.5	76.0	74.6	75.1	78.6	77.2
Pigment Content	CGSB 71(21.1) 1-GP-	(% wt.)	±2 % (absolute)	59.7	55.4	61.6	60.8	61.8	61.0	60.1	58.0	58.0	57.5	61.7	58.1
Non-Volatile Vehicle	CGSB 71(19.1) 1-GP-	(% wt.)	±2 % (absolute)	19.0	21.9	14.1	15.5	14.3	17.1	17.4	18.0	16.6	17.6	16.9	19.1
Colour (Yellow)	CGSB 1-GP-12C	(505-308)	Match	—	Much Lighter	—	Same	—	Same	—	Same	—	Lighter	—	Much Lighter
Bleeding	ASTM D868, D969	(contrast)	±1	8	8	7	8	7	7	7	7	7	7	7	7
BYK Gardner Color Guide Model #6805	ASTM E313	Brightness	±5 %	85.91	48.74	81.55	49.6	85.7	47.30	81.53	48.50	81.53	46.08	85.87	48.6
		Yellowness (White)	±10%	2.61	84.29	2.53	85.87	2.73	86.66	4.35	82.15	4.35	83.53	2.32	85.58
Flexibility	ASTM D522	(mm)	±20 %	0.0	0.0	0.0	0.0	11	0	0	0	0	0	0.0	0.0
Gloss	ASTM D523	(60°)	±3	2.8	1.9	2.5	1.7	2.6	1.7	2.5	1.7	2.5	1.7	2.7	1.7
Abrasion Resistance	ASTM D4060	(mg)	90 - 120 %	108.3	100.5	159.9 ■	133.5 ■	141.3 ■	101.3	120.1	117.3 ■	98.0	122.3 ■	124.3 ■	131.1 ■
Abrasion Resistance	ASTM D968	(l/mil)	90 - 120 %	—	—	—	—	—	—	—	—	—	—	—	—
Particle Coarseness	ASTM D185	(% retained 45 µm)	±0.3 % (absolute)	0.07	0.07	0.08	0.08	0.17	0.29	0.27	0.24	0.27	0.37	0.09	0.09
Fineness of Grind	ASTM D1210	(Hegman)	±1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Water Resistance	ASTM D870		±1	8F	8F	8F	8F	8F	8F	8F	8F	8F	8F	8F	8F
Water Content	CGSB 71(24.1) 1-GP-	(%)	±0.2 % (absolute)	19.6	20.0	24.0	24.4	21.6	21.2	20.4	20.8	21.6	24.4	20.4	22.2
Flash Point	CGSB 1-GP-71(3.1)			Non-combustible	Non-combustible	Non-combustible	Non-combustible	Non-combustible	Non-combustible	Non-combustible	Non-combustible	Non-combustible	Non-combustible	Non-combustible	Non-combustible
Six Month Settlement	ASTM D869	(0-10)	5 minimum	10	10	8	8	8	8	10	8	10	10	8	8

Notes:

* Viscosity may be of concern

■ Low Abrasive Resistance may be of concern