

Premium Paints Approved for 2024/25 Construction Season

TEST METHODS			TOLERANCE	PPG White Paint Formulation EF-61-0139 (Tested 2023/24) Waterborne Paint	PPG Yellow Paint Formulation EF-62-0139 (Tested 2023/24) Waterborne Paint	Ozark Materials White Paint Formulation 17251B (Tested 2023/24) Waterborne Paint	Ozark Materials Yellow Paint Formulation 27251B (Tested 2023/24) Waterborne Paint	Ozark Materials White Paint Formulation 17251G (Tested 2022/23) Waterborne Paint	Ozark Materials Yellow Paint Formulation 27251G (Tested 2022/23) Waterborne Paint	PolyMight International Inc. White Paint Formulation 10-3002 (Tested 2022/23) Waterborne Paint	PolyMight International Inc. Yellow Paint Formulation 10-3001 (Tested 2022/23) Waterborne Paint	International Striping Products (ISP) White Paint Formulation KW-29 (Tested 2023/24) Waterborne Paint	International Striping Products (ISP) Yellow Paint Formulation KY29 (Tested 2023/24) Waterborne Paint
Relative Density	ASTM D1475	(25/25°C)	±0.050	1.651	1.576	1.663	1.652	1.677	1.625	1.608	1.601	1.676	1.605
Viscosity	ASTM D562	(Krebs)	±5	80.4	78.6	82.0	82.5	82.5	80.4	78.2	80.4	76.2	77.4
Drying Time(minutes)	ASTM D1640	Set to Touch	±2 min.	3.0	3.4	2.5	2.8	2.9	2.5	2.9	2.4	3.5	3.5
	ASTM D711	Dry to Traffic	±20 %	8.8	13.1	8.2	8.3	9.0	8.5	8.1	9.3	9.1	9.5
Non-Volatile Content	CGSB 71(17.1) 1-GP-	(% wt.)	±2 % (absolute)	78.7	77.3	75.7	76.3	76.6	77.7	75.6	77.2	78.6	77.2
Pigment Content	CGSB 71(21.1) 1-GP-	(% wt.)	±2 % (absolute)	59.7	55.4	61.6	60.8	62.2	59.4	58.1	58.1	61.7	58.1
Non-Volatile Vehicle	CGSB 71(19.1) 1-GP-	(% wt.)	±2 % (absolute)	19.0	21.9	14.1	15.5	14.4	18.3	17.5	19.1	16.9	19.1
Colour (Yellow)	CGSB 1-GP-12C	(505-308)	Match	-	Much Lighter	-	Same	-	Lighter	-	Lighter	-	Much Lighter
Bleeding	ASTM D868, D969	(contrast)	±1	8	8	7	8	7	7	6	8	7	7
BYK Gardner Color Guide Model #6805	ASTM E313	Brightness	±5 %	85.91	48.74	81.55	49.6	83.06	47.15	85.71	48.86	85.87	48.6
		Yellowness (White)	±10%	2.61	84.29	2.53	85.87	2.81	84.96	2.72	82.33	2.32	85.58
Flexibility	ASTM D522	(mm)	±20 %	0.0	0.0	0.0	0.0	0	0	0	0	0.0	0.0
Gloss	ASTM D523	(60°)	±3	2.8	1.9	2.5	1.7	2.5	1.7	2.7	1.8	2.7	1.7
Abrasion Resistance	ASTM D4060	(mg)	90 - 120 %	108.3	100.5	159.9	133.5	89.1	100.3	83.7	88.7	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	0.08	0.07	0.12	0.13	0.09	0.09
Fineness of Grind	ASTM D1210	(Hegman)	±1	N/A	N/A	N/A	N/A	4.0	5.5	4.5	5.5	N/A	N/A
Water Resistance	ASTM D870		±1	8F	8F	8F	8F	8M	8M	8F	8F	8F	8F
Water Content	CGSB 71(24.1) 1-GP-	(%)	±0.2 % (absolute)	19.6	20.0	24.0	24.4	21.2	23.0	24.0	22.2	20.4	22.2
Flash Point	CGSB 71(3.1) 1-GP-			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	8	8	8	8