

**Regular Paints Approved for 2024/25 Construction Season**

TEST METHODS			TOLERANCE	PPG	PPG	PPG	PPG	Ozark Materials	Ozark Materials	Ozark Materials	Ozark Materials	PolyMight International Inc.	PolyMight International Inc.
				White Paint Formulation EF-61-0136 (Tested 2022/23)	Yellow Paint Formulation EF-62-0136 (Tested 2022/23)	White Paint Formulation EF-61-0140 (Tested 2023/24)	Yellow Paint Formulation EF-62-0140 (Tested 2023/24)	White Paint Formulation 17251C (Tested 2023/24)	Yellow Paint Formulation 27251C (Tested 2023/24)	White Paint Formulation 17251D (Tested 2022/23)	Yellow Paint Formulation 27251D (Tested 2022/23)	White Paint Formulation 10-3042 (Tested 2022/23)	Yellow Paint Formulation 10-3043 (Tested 2022/23)
				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	1.647	1.644	1.681	1.649	1.662	1.653	1.670	1.623	1.627	1.612
Viscosity	ASTM D562	(Krebs)	±5	76.0	78.2	78.0	79.0	82.2	82.7	82.61	84	85.5*	87.8*
Drying Time(minutes)	ASTM D1640	Set to Touch	±2 min.	2.4	2.8	2.8	2.4	2.4	2.9	2.3	3.2	3.5	2.4
Drying Time(minutes)	ASTM D711	Dry to Traffic	±20 %	8.5	8.0	8.2	7.5	8.9	10.5	7.8	12.6	10.5	8.3
Non-Volatile Content	CGSB 71(17.1)	1-GP-71 (% wt.)	±2 % (absolute)	77.9	78.6	79.4	79.6	76.0	76.2	76.0	77.1	76.3	76.5
Pigment Content	CGSB 71(21.1)	1-GP-71 (% wt.)	±2 % (absolute)	60.4	59.5	62.2	60.4	62.0	60.7	62.1	58.5	59.4	58.0
Non-Volatile Vehicle	CGSB 71(19.1)	1-GP-71 (% wt.)	±2 % (absolute)	17.5	19.1	17.2	19.2	14.0	15.5	13.9	18.6	16.9	18.5
Colour (Yellow)	CGSB 1-GP-12C	(505-308)	Match	-	Lighter	-	Match	-	Match	-	Match	-	Lighter
Bleeding	ASTM D868, D969	(contrast)	±1	6	8	7	7	7	8	7	8	7	7
BYK Gardner Color Guide Model #6805	ASTM E313	Brightness	±5 %	83.45	50.31	83.50	49.67	81.45	49.48	82.61	49.29	82.85	47.65
		Yellowness (White)	±10%	2.69	82.84	3.10	82.34	2.80	85.65	3.46	89.65	3.03	81.36
Flexibility	ASTM D522	(mm)	±20 %	6	0.0	0.0	0.0	0.0	0.0	0	0	0	0
Gloss	ASTM D523	(60°)	±3	2.6	2.0	2.7	1.8	2.5	1.7	2.5	1.6	2.6	1.7
Abrasion Resistance	ASTM D4060	(mg)	90 - 120 %	118.3	106.8	125.7	126.6	151.1	135.1	101.5	92.3	97.7	84.6
Abrasion Resistance	ASTM D968	(l/mil)	90 - 120 %	-	-	-	-	-	-	-	-	-	-
Particle Coarseness	ASTM D185	(% retained 45 µm)	±0.3 % (absolute)	0.14	0.14	0.08	0.08	0.13	0.08	0.07	0.28	0.19	0.12
Fineness of Grind	ASTM D1210	(Hegman)	±1	N/A	N/A	N/A	N/A	N/A	N/A	3.5	4.0	5.0	5.5
Water Resistance	ASTM D870		±1	8F	8M	8F	8F	8F	8F	8M	8MD	8F	8M
Water Content	CGSB 71(24.1)	1-GP-71 (%)	±0.2 % (absolute)	19.4	21.2	20.2	20.2	24.0	22.8	21.2	25.6	21.8	20.8
Flash Point	CGSB 71(3.1)	1-GP-71		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	8	8	10	10	10	8	8	10	8	10

- Notes:
- \* Viscosity may be of concern
  - # Bleeding may be of concern
  - ‡ Particle Coarseness may be of concern
  - Could be a storage issue

				<u>International Striping Products (ISP)</u>	<u>International Striping Products (ISP)</u>	<u>International Striping Products (ISP)</u>	<u>International Striping Products (ISP)</u>	<u>Sherwin Williams</u>	<u>Sherwin Williams</u>	<u>Sherwin Williams</u>	<u>Sherwin Williams</u>	<u>Cloverdale Paints</u>	<u>Cloverdale Paints</u>
TEST METHODS			TOLERANCE	White Paint Formulation KW-1801 (Tested 2022/23)	Yellow Paint Formulation KY-1801 (Tested 2022/23)	White Paint Formulation KW-1802 (Tested 2022/23)	Yellow Paint Formulation KY-1802 (Tested 2022/23)	White Paint Formulation AB2023W01 (Tested 2023/24)	Yellow Paint Formulation AB2023Y01 (Tested 2023/24)	White Paint Formulation AB2023W02 (Tested 2023/24)	Yellow Paint Formulation AB2023Y02 (Tested 2023/24)	White Paint Formulation 62352 (Tested 2023/24)	Yellow Paint Formulation 62353 (Tested 2023/24)
				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	1.760	1.686	1.724	1.688	1.680	1.664	1.705	1.671	1.653	1.610
Viscosity	ASTM D562	(Krebs)	±5	79.0	79.5	77.0	76.0	82.3	82.7	86.4*	84.6	85.0	80.4
Drying Time(minutes)	ASTM D1640	Set to Touch	±2 min.	2.9	2.8	3.1	2.9	2.2	2.9	2.2	2.7	2.9	2.8
Drying Time(minutes)	ASTM D711	Dry to Traffic	±20 %	11.0	8.5	11.5	10.5	7.7	8.8	7.5	8.6	8.6	8.5
Non-Volatile Content	CGSB 71(17.1)	1-GP- (% wt.)	±2 % (absolute)	79.6	78.5	78.1	77.8	78.7	78.8	79.1	79.1	77.2	76.5
Pigment Content	CGSB 71(21.1)	1-GP- (% wt.)	±2 % (absolute)	65.0	62.8	65.3	63.9	61.7	60.6	62.5	61.0	60.8	76.5
Non-Volatile Vehicle	CGSB 71(19.1)	1-GP- (% wt.)	±2 % (absolute)	13.6	15.7	12.8	13.9	17.0	18.2	16.6	18.1	16.4	0.0
Colour (Yellow)	CGSB 1-GP-12C	(505-308)	Match	–	Match	–	Match	–	Match	–	Match	–	Much Lighter
Bleeding	ASTM D868, D969	(contrast)	±1	7	7	6	7	6	8	6	8	7	7
BYK Gardner Color Guide Model #6805	ASTM E313	Brightness	±5 %	87.90	53.68	87.60	53.27	89.03	48.29	89.69	52.61	84.42	49.02
		Yellowness (White)	±10%	2.68	84.44	2.59	84.13	3.15	84.40	3.18	82.46	3.16	86.80
Flexibility	ASTM D522	(mm)	±20 %	14.0	13.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0
Gloss	ASTM D523	(60°)	±3	2.7	1.8	2.7	1.7	3.0	2.0	2.9	1.9	2.7	1.8
Abrasion Resistance	ASTM D4060	(mg)	90 - 120 %	106.5	106.4	122.8	110.0	128.3	131.0	128.2	122.5	112.6	131.3
Abrasion Resistance	ASTM D968	(l/mil)	90 - 120 %	–	–	–	–	–	–	–	–	–	–
Particle Coarseness	ASTM D185	(% retained 45 µm)	±0.3 % (absolute)	0.07	0.07	0.18	0.06	0.84‡	1.29‡	0.84‡	1.23‡	0.08	0.24
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
Water Resistance	ASTM D870		±1	8F	8F	8F	8F	8F	8F	8F	8F	8M	8F
Water Content	CGSB 71(24.1)	1-GP- (%)	±0.2 % (absolute)	19.6	21.4	24.2	22.8	19.6	19.8	19.0	21.0	17.8	20.0
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	6	6	8	7	10	8	8	8	8	9

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TEST METHODS			TOLERANCE	Vantac ITS Group	Vantac ITS Group	Vantac ITS Group	Vantac ITS Group	LaFrentz Pavement	LaFrentz Pavement	LaFrentz Pavement	LaFrentz Pavement	BASF
				White Paint Formulation VGWB01W (Tested 2023/24)	Yellow Paint Formulation VGWB01Y (Tested 2023/24)	White Paint Formulation VGWB020W (Tested 2023/24)	Yellow Paint Formulation VGWB020Y (Tested 2023/24)	White Paint Formulation 500010 (Tested 2023/24)	Yellow Paint Formulation 500020 (Tested 2023/24)	White Paint Formulation 500302 (Tested 2023/24)	Yellow Paint Formulation 500303 (Tested 2023/24)	
				Waterborne Paint	Waterborne Paint	Waterborne Paint	Waterborne Paint	Waterborne Paint	Waterborne Paint	Solvent-borne Paint	Solvent-borne Paint	Waterborne Paint
Relative Density	ASTM D1475	(25/25°C)	±0.050	1.616	1.503	1.576	1.504	1.601	1.524	1.517	1.432	1.666
Viscosity	ASTM D562	(Krebs)	±5	79.7	82.0	77.8	77.6	82.5	81.3	93.3*	98.0*	81.7
Drying Time(minutes)	ASTM D1640	Set to Touch	±2 min.	2.8	3.1	2.6	2.6	4.5	3.2	2.7	2.2	2.8
Drying Time(minutes)	ASTM D711	Dry to Traffic	±20 %	11.0	12.3	9.3	8.7	28.3*	9.4	15.3	8.1	7.6
Non-Volatile Content	CGSB 71(17.1) 1-GP-	(% wt.)	±2 % (absolute)	77.4	75.8	75.9	75.3	70.2	70.0	73.4	73.4	78.6
Pigment Content	CGSB 71(21.1) 1-GP-	(% wt.)	±2 % (absolute)	57.7	50.5	54.5	51.3	56.2	51.4	58.6	54.9	59.7
Non-Volatile Vehicle	CGSB 71(19.1) 1-GP-	(% wt.)	±2 % (absolute)	19.7	25.3	21.4	24.0	14.0	18.6	14.8	18.5	18.9
Colour (Yellow)	CGSB 1-GP-12C	(505-308)	Match	–	Much Lighter	–	Much Lighter	–	Much Lighter	–	Much Lighter	–
Bleeding	ASTM D868, D969	(contrast)	±1	6	6	7	7	6	8	4#	6	6
BYK Gardner Color Guide Model #6805	ASTM E313	Brightness	±5 %	83.11	47.52	85.27	44.84	83.81	53.51	82.63	42.24	88.15
		Yellowness (White)	±10%	2.82	85.80	3.34	85.80	2.07	80.52	3.25	79.43	2.53
Flexibility	ASTM D522	(mm)	±20 %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Gloss	ASTM D523	(60°)	±3	2.8	2.0	3.0	2.1	2.4	1.9	2.8	4.9	3.2
Abrasion Resistance	ASTM D4060	(mg)	90 - 120 %	116.6	107.6	145.9	106.3	128.5	107.8	321.0	305.1	203.6
Abrasion Resistance	ASTM D968	(l/mil)	90 - 120 %	–	–	–	–	–	–	–	–	–
Particle Coarseness	ASTM D185	(% retained 45 µm)	±0.3 % (absolute)	0.07	0.22	0.07	0.18	0.18	0.15	0.18	0.27	0.12
Fineness of Grind	ASTM D1210	(Hegman)	±1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.0
Water Resistance	ASTM D870		±1	8F	8M	6F	8D	8F	8M	8F	8F	4MD
Water Content	CGSB 71(24.1) 1-GP-	(%)	±0.2 % (absolute)	19.2	21.0	24.4	23.2	26.4	23.2	Trace	Trace	20.0
Flash Point	CGSB 71(3.1) 1-GP-	(°C)		Non-combustible	Non-combustible	Non-combustible	Non-combustible	Non-combustible	Non-combustible	1.0	4.0	Non-combustible
Six Month Settlement	ASTM D869	(0-10)	5 minimum	7	6	6	5*	7	8	6	6	8

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