

PAINT – WHITE WATERBORNE

				Supplier Name							
				PolyMight		Sherwin Williams		ENNIS		ISP	
Test Methods			TOLERANCE	10-3002	10-3008	15-01W	14-01W	61-0034	61-0035	W2F-0007	W3K-0005
Hiding Power	CGSB 1-GP-71(14.7)	(m ² /l)	±10 %	4.00	3.03	2.62	3.00	4.38	3.75	4.56	5.05
Specific Gravity	ASTM D 1475	(25/25°C)	±0.050	1.592	1.586	1.694	1.693	1.627	1.649	1.620	1.616
Skinning	CGSB 1-GP-71(10.1)		NON	NON	NON	NON	NON	NON	NON	NON	NON
Accelerated Storage Stability	ASTM D1309	(0-10)	±1	7	7	7	6	8	8	8	6
BYK Gardner Color Guide Model #6805	ASTM E313	Brightness	±5 %	89.01	89.14	82.60	86.46	86.42	86.05	88.01	87.46
		Yellowness (White)	±10%	4.20	2.74	4.29	3.45	3.10	3.94	5.65	6.82
Bleeding	ASTM D868, D969	(contrast)	±1	9	none	8	9	none	none	9	none
Abrasion Resistance	ASTM D968	(l/mil)	90 - 120 %	20.2	7.7	7.6	36.7	9.1	10.1	13.1	10.0
Flexibility	ASTM D522	(mm)	±20 %	4.8	5.7	0.0	6.8	0.0	7.5	6.6	0.0
Drying Time(minutes)	ASTM D1640	Set to Touch	±2 min.	4.6	1.9	4.0	6.2	1.7	1.4	4.2	1.9
	ASTM D711	Dry to Traffic *	±20 %	*	*	*	*	*	*	*	*
Viscosity	ASTM D562	(Krebs)	±5	81.5	83.3	82.0	81.2	80.1	80.8	75.4	80.4
Non-Volatile Content	CGSB 1-GP-71(17.1)	(% wt.)	±2 % (absolute)	75.0	74.0	78.8	78.9	78.1	78.6	76.7	75.8
Pigment Content	CGSB 1-GP-71(21.1)	(% wt.)	±2 % (absolute)	57.6	57.5	63.5	63.1	60.5	60.6	60.1	58.6
Non-Volatile Vehicle	CGSB 1-GP-71(19.1)	(% wt.)	±2 % (absolute)	17.4	16.5	15.3	15.8	17.6	18.0	16.6	17.2
Particle Coarseness	ASTM D185	(% retained 45 µm)	±0.3 % (absolute)	0.02	0.18	0.88	0.36	0.29	0.13	0.13	0.86
Fineness of Grind	ASTM D1210	(Hegman)	±1	6.5	5.5	5.5	5.0	6.0	6.5	7.0	5.5
Water Resistance	ASTM D870		±1	No Blister	No Blister	No blister	No blister	No blister	No blister	No blister	No blister
Water Content	CGSB 1-GP-71(24.1)	(%)	±0.2 % (absolute)	19.5	22.2	21.3	22.6	23.1	21.8	18.9	20.6
Gloss	ASTM D523	(60°)	±3	2.8	2.8	2.7	2.8	3.0	2.9	2.7	2.7
Colour (Yellow)	CGSB 1-GP-12C	(505-308)	Match	-	-	-	-	-	-	-	-
Six Month Settlement	ASTM D869	(0-10)	5 min	9	8	7	7	9	9	9	7
Flash Point	CGSB 1-GP-71(3.1)			Non-Combustible	Non-Combustible	Non-Combustible	Non-Combustible	Non-Combustible	Non-Combustible	Non-Combustible	Non-Combustible

* Dry to Traffic requirements are relative to the pre-qualified tender sample at the time of testing