

## WHITE PAINT – LOW TEMPERATURE WATERBORNE

| TEST METHODS                        |                    |                     |                   | Supplier Name     |                |                         |                   |                                  |
|-------------------------------------|--------------------|---------------------|-------------------|-------------------|----------------|-------------------------|-------------------|----------------------------------|
|                                     |                    |                     |                   | Ozark Materials   |                | PolyMight International |                   | International Stripping Products |
|                                     |                    |                     |                   | 17251             | 17251A         | 10-3626                 | 10-3628           | DW08                             |
| TOLERANCE                           |                    |                     |                   |                   |                |                         |                   |                                  |
| Hiding Power                        | CGSB 1-GP-71(14.7) | (m <sup>2</sup> /l) | ±10 %             | 3.41              | 3.26           | 3.78                    | 3.94              | 3.08                             |
| Specific Gravity                    | ASTM D 1475        | (25/25°C)           | ±0.050            | 1.588             | 1.588          | 1.551                   | 1.573             | 1.548                            |
| Skimming                            | CGSB 1-GP-71(10.1) |                     | NON               | NON               | NON            | NON                     | NON               | NON                              |
| Accelerated Storage Stability       | ASTM D1309         | (0-10)              | ±1                | 4 <sup>2</sup>    | 4 <sup>2</sup> | 7                       | 6                 | 7                                |
| BYK Gardner Color Guide Model #6805 | ASTM E313          | Brightness          | ±5 %              | 85.70             | 86.86          | 82.88                   | 82.26             | 88.50                            |
|                                     |                    | Yellowness (White)  | ±10%              | 6.93              | 7.44           | 3.0                     | 3.62              | 2.51                             |
| Bleeding                            | ASTM D868, D969    | (contrast)          | ±1                | 8                 | 8              | 6                       | 7                 | 8                                |
| Abrasion Resistance                 | ASTM D968          | (l/mil)             | 90 - 120 %        | -                 | -              | -                       | -                 | -                                |
| Abrasion Resistance                 | ASTM D4060         | (mg)                | 90 - 120 %        | 92.5              | 98.7           | 144.8                   | 88.7              | 144.8                            |
| Flexibility                         | ASTM D522          | (mm)                | ±20 %             | 0                 | 0              | 0                       | 0                 | 0                                |
| Drying Time(minutes)                | ASTM D1640         | Set to Touch        | ±2 min.           | 1.6               | 1.8            | 2.3                     | 2.6               | 1.1                              |
|                                     | ASTM D711          | Dry to Traffic *    | ±20 %             | 4.5               | 7.0            | 5.5                     | 6.9               | 5.6                              |
| Viscosity                           | ASTM D562          | (Krebs)             | ±5                | 88.0 <sup>1</sup> | 77.8           | 93.4 <sup>1</sup>       | 95.9 <sup>1</sup> | 91.5 <sup>1</sup>                |
| Non-Volatile Content                | CGSB 1-GP-71(17.1) | (% wt.)             | ±2 % (absolute)   | 76.3              | 75.8           | 77.8                    | 77.4              | 76.0                             |
| Pigment Content                     | CGSB 1-GP-71(21.1) | (% wt.)             | ±2 % (absolute)   | 59.5              | 56.9           | 60.7                    | 60.6              | 57.6                             |
| Non-Volatile Vehicle                | CGSB 1-GP-71(19.1) | (% wt.)             | ±2 % (absolute)   | 16.8              | 18.9           | 17.1                    | 16.8              | 18.4                             |
| Particle Coarseness                 | ASTM D185          | (% retained 45 µm)  | ±0.3 % (absolute) | 0.46              | 0.55           | 0.14                    | 0.35              | 1.70                             |
| Fineness of Grind                   | ASTM D1210         | (Hegman)            | ±1                | 7.0               | 6.5            | 8.0                     | 6.5               | 7.5                              |
| Water Resistance                    | ASTM D870          |                     | ±1                | 8F                | 8D             | 8F                      | 7F                | 6D                               |
| Water Content                       | CGSB 1-GP-71(24.1) | (%)                 | ±0.2 % (absolute) | 22.0              | 21.6           | 21.2                    | 22.2              | 24.5                             |
| Gloss                               | ASTM D523          | (60°)               | ±3                | 2.9               | 2.8            | 2.7                     | 2.6               | 3.6                              |
| Colour (Yellow)                     | CGSB 1-GP-12C      | (505-308)           | Match             | -                 | -              | -                       | -                 | -                                |
| Six Month Settlement                | ASTM D869          | (0-10)              | 5 min             | 6                 | 6              | 7                       | 6                 | 7                                |
| Flash Point                         | CGSB 1-GP-71(3.1)  |                     |                   | -                 | -              | -                       | -                 | -                                |

\* Dry to Traffic requirements are relative to the pre-qualified tender sample at the time of testing  
 Long dry times are expected when applying these formulations in colder temperatures (<10°C)

<sup>1</sup> Viscosity may be an issue

<sup>2</sup> Winter storage may be a problem