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T E S T R E P O R T

TECHNICAL REPORT ON THE DENSITY MEASUREMENT OF POLIWOOD DECKING SAMPLE

Build Wholesale Group (Pty.) Ltd.

ExcelPlas Job # 7600

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COMMERCIAL-IN-CONFIDENCE

1. Objective

The objective of this study is to measure the density of Poliwood Decking sample.

2. Samples Supplied

One sample of Poliwood Decking supplied by Build Wholesale Group (Pty.) Ltd. for density measurement.

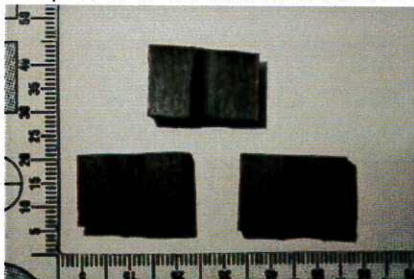


The identification of the sample was:
Poliwood Decking sample (Brown)

3. Method of Sampling and Specimen Preparation

Three specimens were selected at random from across the entire length of the decking sample (brown) supplied.

The specimens were prepared through the whole thickness with bandsaw. Edges of the cut pieces were smoothed before testing.



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Density (ASTM D 792)
Report Pro-forma V5 20170418 RP

4. Conditioning

The test specimens were condition at $23 \pm 2^{\circ}\text{C}$ and $50 \pm 10\%$ relative humidity for over 8 hours prior to test.

5. Density Measuring Apparatus.

The density apparatus used for the testing was an Archimedes Bridge displacement type A&N Model GF-300 S/N T0303404.

6. Testing Methodology

The testing was conducted according to ASTM D 792 – 13 Standard Test methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement.



Variations: None.

7. Test Results

| | |
|-----------------------|---------------------------------|
| Sample Identification | Poliwood Decking Sample (brown) |
| Date of Test | 25/07/2018 |
| Method of Test | Method A |
| Temperature of Water | 23°C |
| Evidence of Porosity | None |

| | |
|---|-------|
| Specimen 1 Density (g/cm^3) | 1.247 |
| Specimen 2 Density (g/cm^3) | 1.245 |
| Specimen 3 Density (g/cm^3) | 1.249 |

| | |
|---|-------|
| Mean Density (g/cm^3) | 1.247 |
|---|-------|

| Prepared By | Reviewed By |
|---|--|
|  |  |
| Date: 25 July 2018 | Date: 25 July 2018 |
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