



# TECHNICAL REPORT ON THE MICRO-THICKNESS TESTING OF POLIWOOD DECKING SAMPLE

**Client: Build Wholesale Group (Pty.) Ltd.**

**ExcelPlas Job # 7600**  
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COMMERCIAL-IN-CONFIDENCE

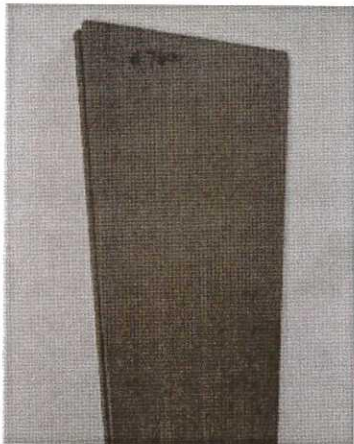


### **1. Objective**

The objective of this study is to measure the micro-thickness of Poliwood Decking sample.

### **2. Samples Supplied**

One sample of Poliwood Decking was supplied by Build Wholesale Group (Pty.) Ltd. for micro-thickness testing.



The identification of the sample was:

Poliwood Decking Sample (brown)

### **3. Method of Sampling.**

A strip specimen was cut through the entire width of the sample supplied.

### **4. Thickness Measuring Apparatus.**

The micro-thickness measuring apparatus used for the testing was Nikon Model SMZ 25 stereomicroscope.

### **5. Testing Methodology**

Ten measurements were taken across the entire width of the pre-cut specimen by using distance measurement function of Nikon Model SMZ 25 stereomicroscope.



**7. Test Results**



Sample Identification	Poliwood Decking sample (brown)
Date Tested	25/07/2018

Specimen No.	Thickness ( $\mu\text{m}$ )
1	480
2	347
3	352
4	344
5	381
6	387
7	507
8	448
9	493
10	469

Mean	421
Standard Deviation	61.6
Coefficient of Variation	0.146

Minimum	344
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Prepared By	Reviewed By
	
Date: 25 July 2018	Date: 25 July 2018
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