



TECHNICAL REPORT ON THE RESISTANCE TO ABRASION PRODUCED BY TABER ABRASER

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 resistance of Poliwood Decking sample to abrasion produced by Taber Abraser.

2. Samples Supplied

One pre-cut sample of Poliwood Decking was supplied by Build Wholesale Group (Pty.) Ltd. for measurement of taber abrasion

The identification of the sample was:

Pre-cut Poliwood Decking sample (Brown) 100mm X 100mm

3. Testing Undertaken

The abrasion resistance testing was undertaken according to ASTM D 4060.

4. Testing Methodology

The Taber Abrasion testing was conducted using a QC-619K TABER Abrasion Tester (manufactured by Cometest Testing Machines Co., Ltd., Serial No. 112674) according to the procedure described in ASTM D 4060.

Method details:

Type of wheel: S35

Frequency of refacing: Every 500 cycles

Load applied to the abrasive wheels (per arm): 1000g

Vacuum nozzle height: 6.5 mm

5. Conditioning.

The specimens were conditioned at 23°C for more than 24 hours and 50% relative humidity prior to testing. The testing was done in the same environment.



6. Results

Sample Identification: Poliwood Decking sample (Brown)

Date of Test: 20/07/2018

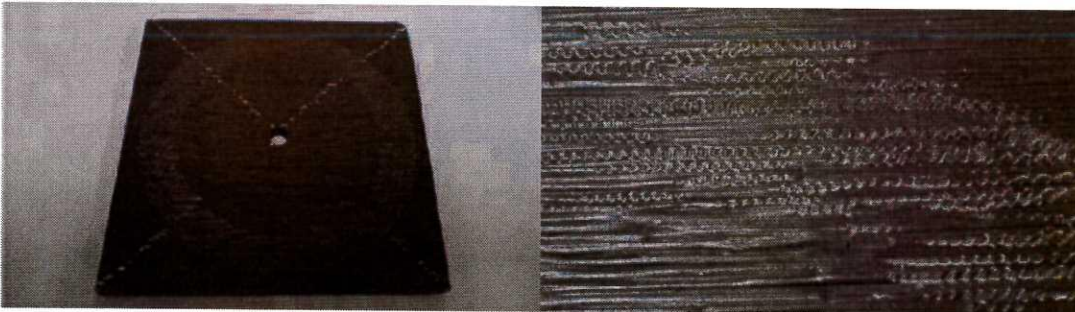
	Poliwood Decking sample (Brown)
Specimen Mass before Abrasion (mg)	59558.16
Specimen Mass after Abrasion (mg)	59537.45
Number of Cycles	500
Wear Index	41.42



7. Photographs

Before testing



After testing



Prepared By	Reviewed By
	
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