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Client:	Auswood
Job Number:	10804
Test Item:	Finished Form-Ply Sheet
Item Identification:	-
Supplier / Manufacturer:	Auswood
Nominal Length (m):	2400
Nominal Thickness (mm):	17
Nominal Width (mm):	1200
Test Methods:	AS NZS 1577 2018 Appendix D
Test Parameters	Slip Resistance
Test Date:	4/06/2019
Report Date:	5/06/2019

TESTING OF PLANKS and PLATFORMS to AS/NZS 1577:2018

The Results of the testing are presented in the following pages, along with excerpts from the Standard

David Wilmshurst
Technical Manager
Approved Signatory

Slip Test - Appendix D

Principle:

A scaffold plank is restrained against movement, vertically loaded and this load is subjected to a horizontal force to produce slipping.

Apparatus:

The plank under test was restrained in accordance with the Method. A rubber pad of dimensions 300 x 100 x

Test Procedure:

AS NZS 1577 2018 Appendix D provides the following information.

D5 PROCEDURE

The procedure shall be as follows:

(a) Support the scaffold decking component horizontally and restrain against longitudinal and transverse movement.

(b) Place the test assembly on the scaffold decking component at a location representative of the walking surface. The sliding edges of the rubber pad shall be square, clean cut and free from contamination.

(c) On top of the test assembly and centrally positioned, place the test weight.

(d) Apply a gradually increasing force to the stiff base in the expected direction of walking.

(e) Measure and record the force at which slip occurs.

(f) Repeat Steps (c) and (d) for any other possible walking directions.

NOTE: This is important for prefabricated platforms where the width is such that walking in a transverse direction can be expected, especially when the platforms can be placed side-by-side to form a working platform.

D6 CALCULATION

The coefficient of static friction shall be calculated as follows:

$$\mu = \frac{F_h}{F_v} \quad \ldots D1$$

where

μ = coefficient of static friction

F_h = horizontal force to produce slipping, in newtons

F_v = Combined weight of the test weight and the test assembly, in newtons

Test Results:

Direction	*Test Number*	*Horizontal Force to Produce Sliding (F_h) (N)*	*Total Vertical Load (Fv) (N)*	*Coefficient of Static Friction (μ)*
Along Board	1	230	251.3	0.92
	2	250	251.3	0.99
	3	240	251.3	0.96
	4	247	251.3	0.98
	5	242	251.3	0.96
	6	238	251.3	0.95
Diagonal	1	232	251.3	0.92
	2	228	251.3	0.91
	3	235	251.3	0.94
	4	245	251.3	0.97
	5	230	251.3	0.92
	6	245	251.3	0.97
			Minimum Value	0.91
			Mean Value	0.95

Direction of force application: Longitudinal

Distance from the decking surface to the longitudinal edge (mm): Not applicable

Notes: -

Performance Requirements:

2.2.5 Coefficient of friction test

A decking component shall have a surface extending to within 45 mm of each longitudinal edge which, when tested in accordance with Appendix D, results in an average static coefficient of friction of not less than 0.7, with no single test resulting in a static coefficient of less than 0.6

Result: The decking surface is within -- mm of the longitudinal edges.

The average static coefficient of friction of 0.95 and the minimum result of 0.91 complies with the performance requirements.

The planks have passed the standard requirements for the Coefficient of Friction Test of AS/NZS 1577:2018 Cl 2.2.5