NATA
Accredited for compliance with ISO/IEC 17025.
Accreditation Number: 2735

REPORT 17/11818.2

1 September 2017

WET-BAREFOOT INCLINING PLATFORM SLIP RESISTANCE TEST

Perpendicular PVC Daldorado Pool Grate.

Prepared for:	Daldorado Pty Ltd Robert Lawson 5/99 Humpheries Road FRANKSTON SOUTH VIC 3199
Specimen Description:	Perpendicular PVC Daldorado Pool Grate. 304.6x20 mm.
No. of Specimens:	75 off (Sampling conducted by client)
Surface Structure:	Profiled
Specimen Preparation:	Washed with water and pH neutral detergent, rinsed then dried.
Specimen Configuration:	Fixed
Test Direction:	Test conducted parallel to grating bars.
Joint Type & Width:	N/A
Air Temperature:	21°C
Test Standard:	AS 4586: 2013 Slip resistance classification of new pedestrian surface materials, Appendix C – Wet-Barefoot Inclining Platform Test.
Test Location:	ATTAR, Unit 1, 64 Bridge Road, Keysborough, VIC.
Test Date:	31 August 2017
Test Personnel:	Marcus Braché and Chris Peake

	Verification Surface			Test Specimen
	A	B	C	
Mean measured angle:	13.1°	17.2°	24.1°	20.7°
Critical angle $\alpha_{barefoot}$ (rounded down to the nearest whole number)**:**	**13°**	**17°**	**24°**	**20°**
Classification:	**B**			

These results apply only to the specimens tested and it is recommended that before selection of flooring or paving materials the effect of service conditions, including maintenance procedures and wear on their slip-resistance be checked.

Reviewed by:

Marcus Braché
Senior Engineering Technician
Approved Signatory

Daniel King BSc/BEng (mat) Hons., MIEAust
Materials & Testing Engineer
Approved Signatory

ATTAR Advanced Technology Testing and Research
A division of Engineering Materials Evaluation Pty Ltd ABN 14 006 554 785
Unit 1, 64 Bridge Rd, Keysborough VIC 3173. T (03) 9574 6144 F (03) 9574 6133 E admin@attar.com.au www.attar.com.au

REPORT 17/11818.2

1 September 2017

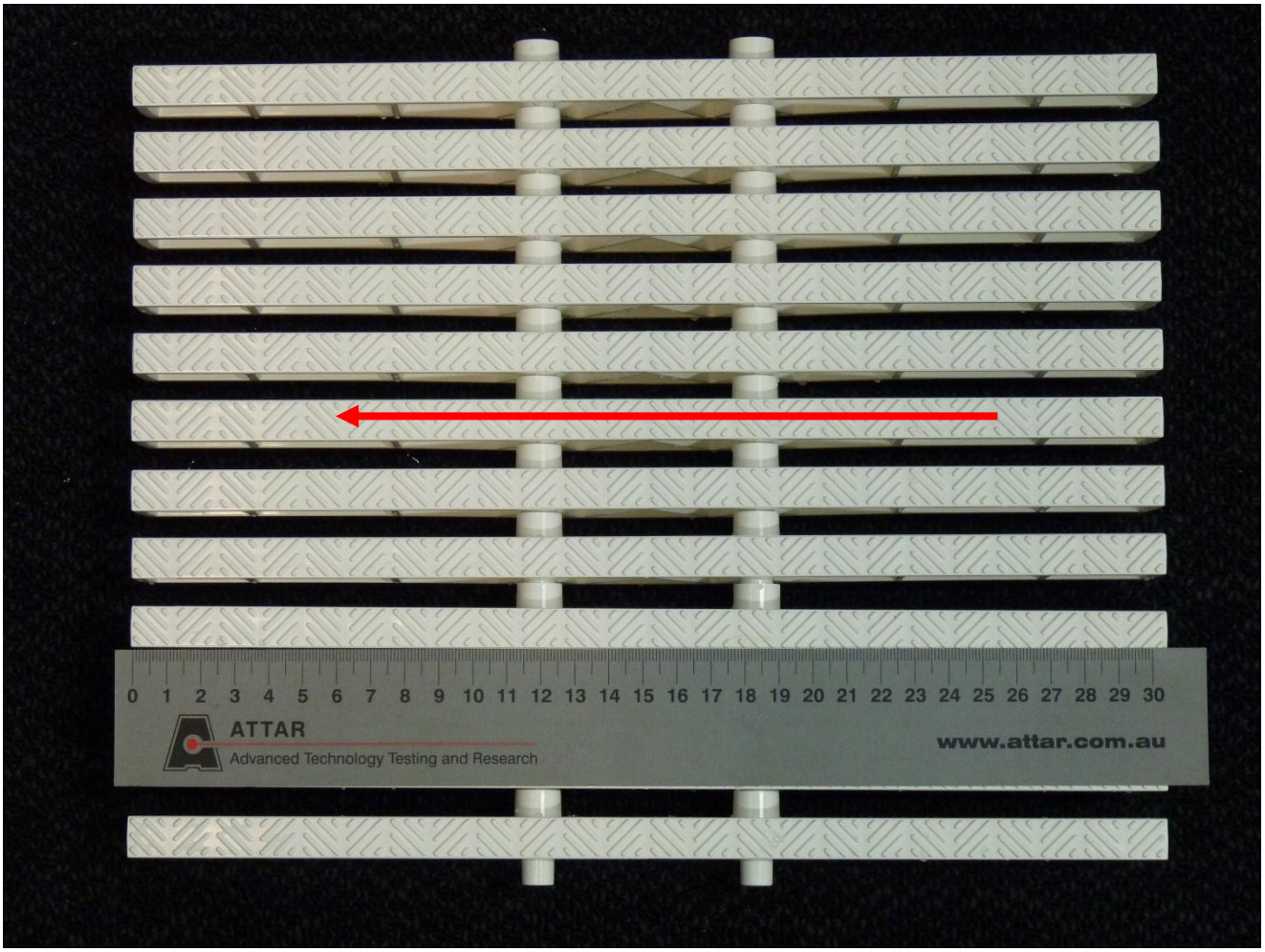

Figure 1: Perpendicular PVC Daldorado Pool Grate.
Arrow indicates direction of testing.

ATTAR Advanced Technology Testing and Research
A division of Engineering Materials Evaluation Pty Ltd ABN 14 006 554 785
Unit 1, 64 Bridge Rd, Keysborough VIC 3173. T (03) 9574 6144 F (03) 9574 6133 E admin@attar.com.au www.attar.com.au

CLASSIFICATION CRITERIA – AS 4586: 2013
Wet Barefoot Inclining Platform Test – Appendix C

Compliance:

TABLE 4: CLASSIFICATION OF PEDESTRIAN SURFACE MATERIALS ACCORDING TO THE WET-BAREFOOT INCLINING PLATFORM TEST

Classification	Angle, degrees
No Classification	$<\alpha_{barefoot}$ Verification Surface A
A	$>\alpha_{barefoot}$ Verification Surface A $<\alpha_{barefoot}$ Verification Surface B
B	$\geq\alpha_{barefoot}$ Verification Surface B $<\alpha_{barefoot}$ Verification Surface C
C	$\geq\alpha_{barefoot}$ Verification Surface C

ATTAR Advanced Technology Testing and Research
A division of Engineering Materials Evaluation Pty Ltd ABN 14 006 554 785
Unit 1, 64 Bridge Rd, Keysborough VIC 3173. T (03) 9574 6144 F (03) 9574 6133 E admin@attar.com.au www.attar.com.au