

AUSTRALIAN PHYSICAL & MECHANICAL PROPERTIES OF TREX TRANSCEND® AND TREX ENHANCE®

AUSTRALIAN PHYSICAL & MECHANICAL PROPERTIES			
CRITERION	TEST METHOD	RESULTS	TEST EXPLANATION
Friction Coefficient	AS / NZS 4586 : 2004	Result/Class	
Trex Transcend	Appendix A, Wet Pendulum	28/ Y (high)	Contribution to slip when wet with water
	Appendix B, Dry	0.45 / F-Pass	Classification of Pedestrian Surface Materials according to dry floor friction test
	Appendix A, B (dual)	Y	
	Appendix C wet barefoot ramp	31 degrees / C (highest class)	Classification of Pedestrian Surface Materials based on wet barefoot ramp test. Class A = lowest angle; C = highest angle. (higher is better)
	Appendix D, oil-wet ramp	15.1 degrees / R10 (Class 3 of 6)	Classification of Pedestrian surface materials according to the oil-wet ramp test
Trex Enhance	Appendix A, Wet Pendulum	30/Y	Contribution to slip when wet with water
	Appendix B, Dry	0.45/F	Classification of Pedestrian Surface Materials according to dry floor friction test
	Appendix A, B (dual)	Y	
	Appendix C wet barefoot ramp	31 degrees/C (highest class)	Classification of Pedestrian Surface Materials based on wet barefoot ramp test. Class A = lowest angle; C = highest angle. (higher is better)
	Appendix D, oil-wet ramp	17.4 degrees / R10 (Class 3 of 6)	Classification of Pedestrian surface materials according to the oil-wet ramp test
Combustion Testing	AS 1530.8.1-2007		
Trex Transcend - Square Profile		BAL A29	A burning 'crib' is placed on a constructed Trex deck. The peak 'heat flux' is evaluated at its maximum and recorded
Trex Transcend - Groove Profile		BAL A19	A burning 'crib' is placed on a constructed Trex deck. The peak 'heat flux' is evaluated at its maximum and recorded

* Australian Lab = Exova Warringtonfire—Melbourne, Vic., Australia

Combustion Testing	AS 3837:1998		Samples are placed in an oxygen calorimeter. Top of the board is ignited with a pilot capable of 25 kW/m²
Trex Transcend	Avg heat release	144.7 Kw / m ²	Measured 600 seconds after ignition
Trex Enhance	Avg heat release	140.6 kW / m ²	Measured 600 seconds after ignition
Trex Transcend	Max. heat release rate	437.2 kW / m ²	Maximum heat released at any point in 60 minute test
Trex Enhance	Max. heat release rate	365.3 kW / m ²	Maximum heat released at any point in 60 minute test

* Australian Lab = CSIRO Materials Science and Engineering—North Ryde, NSW, Australia