



Engineering What's Next
in Outdoor Living®

August 20, 2019

BAL Testing Results – Australia Bushfire Testing for Trex Transcend® Decking

Full-scale bushfire deck testing of Trex Transcend square-edge and grooved-edge decking was performed in accordance with AS1530.8.1 by Exova Warringtonfire®, an accredited third-party Australian lab. Consult AS3959:2018 for additional construction details and requirements.

PRODUCT	OPTIONS	BAL RATING	CONSTRUCTION REQUIREMENTS	
			<i>Enclosed subfloor spaces</i>	<i>Unenclosed subfloor spaces</i>
Trex Transcend 140mm x 24mm Decking Grooved-Edge or Square-Edge	Decking can be installed parallel or perpendicular to the adjacent wall.	BAL-12.5 and BAL-19	<p>Within 300mm¹ of a glazed element such as a glass door or window: Deck must be enclosed. Consult local council or refer to local building codes for construction details.</p> <p>For decking surfaces more than 300mm from a glazed element, no restrictions on construction per AS3959:2018.</p>	<p>Within 300mm¹ of a glazed element such as a glass door or window: Use Trex Transcend 140mm x 24mm square-edge decking, with 3mm gap spacing between adjacent boards.</p> <p>For decking surfaces more than 300mm from a glazed element, no restrictions on construction per AS3959:2018.</p>
		BAL-29	Deck must be enclosed. Consult local council or refer to local building codes for construction details.	Deck framing ² installed directly onto concrete sub-floor; no means below deck framing that would allow debris build up.

¹AS3959 only specifies construction requirements for decking, stair treads, and the trafficable surfaces of ramps and landings for BAL-19 and BAL-12.5 construction when the decking is less than 300mm (measured horizontally at deck level) from glazed elements that are less than 400mm (measured vertically) from the surface of the deck. Consult your local codes and requirements to ensure your plans meet the guidelines in your area.

²Install Trex decking on top of deck framing that has a minimum depth of 38mm per Trex installation instructions.

If additional information is required, please contact techservice@trex.com.

Regards,
Trex Technical Services