

# Standards list

List of relevant standards, tests and guidance relevant to recycled mixed plastic products.

Test area	Standard	Details/description
Structural properties	<b>ASTM D 790</b>	<i>Test method for structural properties such as flexural strength, deflection, modulus of elasticity, flexural modulus.</i>
	<b>AS/NZS 1170.1: 2002</b>	<i>Guidance for design calculations of loading capacities.</i>
	<b>AS 1657 –1992</b>	<i>Specifies requirements for the design, construction and installation of fixed platforms, walkways, stairways, stairways and ladders. Currently being updated.</i>
	<b>AS 2156.2–2001</b>	<i>Specifies requirements for the structural design of walking track structures, to protect natural and cultural assets.</i>
Slip resistance	<b>AS/NZS 4586 – 2004</b>	<i>Slip resistance classification of new pedestrian surface materials</i>
Water absorption	<b>ASTM D 570</b>	<i>This test method to determine the relative rate of absorption of water by plastics when immersed.</i>
Screw withdrawal	<b>D 6117</b>	<i>Tests the ability of ‘plastic lumber’ product to hold or be held to an adjoining object by means of nails, staples, or screws.</i>
Flammability	<b>AS/ISO 9239.1 2003</b>	<i>Tests the ability for the material to resist combustion when subject to a radiant heat source.</i>
	<b>ASTM E 84</b>	<i>Tests the surface burning characteristics of building materials (flame spread and smoke density).</i>
Chemical resistance	<b>ASTM D 543</b>	<i>Standard practices for evaluating the resistance of plastics to chemical reagents.</i>
Other	<b>AS 3962–2001</b>	<i>Guidelines for the design of marinas.</i>

This project has been made possible with the following support