

Product	NZBC Clauses	Applications
strandfloor®	B1.3.1, B1.3.2, B1.3.3 - Clauses	Structural flooring panel, flooring overlay, wall lining, carcass/cabinetry, bleaches (bench seating), stairs
	B1.3.3 - (a) self weight	
	B1.3.3 - (b) Imposed gravity loads arising from use	
	B1.3.3 (f) earthquake	
	B1.3.3 (h) wind	
	B1.3.3 (j) impact	
strandsarking®	B1.3.1, B1.3.2, B1.3.3 - Clauses	Structural roof panel substrate for membrane, metal profile and asphalt shingle roof claddings. Commercial, residential (& warm roofs)
	B1.3.3 - (a) self weight	
	B1.3.3 - (b) Imposed gravity loads arising from use	
	B1.3.3 (c) temperature	
	B1.3.3 (g) snow	
	B1.3.3 (h) wind	
	B1.3.3 (q) creep & shrinkage	
strandboard®	B1.3.1, B1.3.2, B1.3.3 - Clauses	Structural wind and earthquake bracing values and decorative wall lining. Ceilings linings, partitions furniture & cabinetry, flooring overlays.
	B1.1 (a), (b), (c)	
	B1.3.2	
	B1.3.3 (f) Earthquake, (h) wind	

New Zealand Building Code - B1 Structure

Objective		
B1.1	The objectives of this provision is to; <ul style="list-style-type: none"> (a) Safeguard people from injury caused by structural failure. (b) Safeguard people from loss of amenity caused by structural failure, and; (c) Protect other property from physical damage caused by structural failure 	examples: All types of buildings.
Functional Requirement		
B1.2	Buildings, Building elements and sitework shall withstand the combination of loads that they are likely to experience during construction and alteration and throughout their lives.	
Performance		
B1.3.1	Buildings, Building elements and sitework shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during construction of alteration and throughout their lives.	
B1.3.2	Buildings, Building elements and sitework shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics through out their lives, or during construction or alteration when the building is in use.	
B1.3.3	Account shall be taken of all physical conditions likely to affect the stability of buildings, building elements and sitework including: <ul style="list-style-type: none"> (a) Self weight, (b) Imposed gravity loads arising from use, (c) Temperature, (d) Earth pressure, (f) Earthquake, (g) Snow, (h) Wind, (i) Fire, (j) Impact, (k) Explosion, (l) Reversing or fluctuating effects, (m) Differential movement, (n) Vegetation, (o) Adverse effects due to insufficient separation from other buildings, (p) Influence of equipment services, non structural elements and contents, (q) Time dependent effects including creep & shrinkage, and (r) Removal of support. 	<ul style="list-style-type: none"> (a) Self weight - doesn't sag overtime, self supporting. (b) Loads form use, walking on, people and furniture intended use of building. (jumping, running etc.) (f) Earthquake - doesn't rupture, maintains structural integrity in an earthquake. (h) Wind - resists wind loads as per wind zones, structural performance to brace the building (diaphragm floor) (j) Impact - doesn't rupture, break or fail from falling objects,