

DURABILITY PRODUCT SELECTION

ALTERNATIVE SOLUTION TO TABLE 4.1 NZS 3604:2011

Zone	Fixings	Environment	Product Option
All Zones	Nail plates and timber connectors	Closed	GANG-NAIL and LUMBERLOK Standard Zinc Coated Product ⁽¹⁾
	All other structural fixings		BOWMAC Hot Dip Galvanised ⁽³⁾
Zone D	Structural fixings	Sheltered and Exposed	LUMBERLOK Stainless Steel 304 ⁽²⁾ BOWMAC Stainless Steel 304 ⁽²⁾
Zones B and C	Timber pile fixings MORE than 600mm from ground	Sheltered Subfloors vented 7000mm ² /m ²	LUMBERLOK Hot Dip Galvanised ⁽⁴⁾ BOWMAC Hot Dip Galvanised ⁽³⁾
		Exposed Subfloors vented 7000mm ² /m ²	LUMBERLOK Stainless Steel 304 ⁽²⁾ BOWMAC Hot Dip Galvanised ⁽³⁾
	Timber pile fixings LESS than 600mm from ground	Sheltered and Exposed	LUMBERLOK Stainless Steel 304 ⁽²⁾
	All other structural fixings	Sheltered	LUMBERLOK Hot Dip Galvanised ⁽⁴⁾ BOWMAC Hot Dip Galvanised ⁽³⁾
Exposed		LUMBERLOK Stainless Steel 304 ⁽²⁾ BOWMAC Hot Dip Galvanised ⁽³⁾	

1. All GANG-NAIL, LUMBERLOK and BOWMAC product complies with Table 4.2 NZS 3604:2011.
2. LUMBERLOK and BOWMAC Stainless Steel product is 304 grade. Regular washing and maintenance will positively affect long term appearance of these items.
3. BOWMAC® Hot Dip Galvanised product is to AS/NZS 4680 to 600g/m²
4. LUMBERLOK® Hot Dip Galvanised product is to AS/NZS 4680 to 390g/m²

NOTES

Items above refer to GANG-NAIL®, LUMBERLOK® and BOWMAC® product marketed for specific applications with a requirement to last 50 years as an alternative solution to Table 4.1 NZS 3604:2011.

The MiTek New Zealand Limited Durability Flow Chart for product selection is derived from this alternative solution to Table 4.1 NZS 3604:2011. Definitions of zones and environments are derived from NZS 3604:2011.

Supporting documents available for this alternative solution:-

Les Boulton and Associates. Materials and Corrosion Consultants LBA ref:181217-01: Durability Appraisal; NZS 3604:2011 and Report 01372: Corrosion of BOWMAC Fixings in Treated Timber.

Optimech Services Metallurgical Consultancy Test Certificate Reports No: 00-134 BOWMAC and No: 01-023

LUMBERLOK Determination of Galvanising Coating thickness.

Product Statements for LUMBERLOK and BOWMAC products.

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Please see Standard for full details, available from www.standards.co.nz.