

Techlam Glulam Posts

BASIS OF COMPLIANCE

Version 1.0 September 2025

DESCRIPTION

Techlam manufactures glulamined posts from NZ-grown Pinus Radiata.

They are available in various dimensions, ranging from 88 mm to 270 mm (width x depth), in standard or custom lengths, and are treated to H1.2, H3.2, or H5 standards, or supplied untreated. For more information, refer to the [Techlam Technical Data Sheet](#).

INSTALLATION REQUIREMENTS

Element	Comment
Glulam posts manufactured in accordance with AS/ NZS 1328.1:1998 from pre-treated structurally graded H5 lamina.	Techlam recommends that the in-ground portion of the post be coated with a waterproof tanking. This will reduce the risk of checking.
Fixings	Fixing material is to be in accordance with Table 4 NZS3604:2011 Fixing mechanical characteristics are to be determined by the engineer or designer as part of their design obligations.
Concrete	In-ground portion of the post to be encased in concrete as follows: <ul style="list-style-type: none"> Concrete to be normal concrete as per NZS 3104:2003 Grade N20 (20MPa) in accordance with NZS 3104:2003 Minimum strength specified as 28-day specified compressive strengths as defined in NZS 3109 All concrete supply and production shall be in accordance with NZS 3104:2003 A minimum of 100 mm thick concrete pad shall be placed at the base of the foundation hole. The post shall be accurately centralised within the foundation hole. A minimum concrete cover of 100 mm shall be maintained between the outer surface of the post and the internal edge of the foundation hole. Depth of the in-ground portion of the post to be determined by the engineer or designer as part of their design obligations

BUILDING CODE COMPLIANCE & COMPLIANCE PATHWAY

Techlam posts comply with the following building code clauses through the listed compliance pathways.

Code clauses	Relevant standard	Criteria	Compliance pathway
B1 (Structure) B1.3.1, B1.3.2 B1.3.3 (a, f, h, j, m, q) B1.3.4	<ul style="list-style-type: none"> Manufactured to AS/NZS 1328.1:1998 which is cited in NZS3604:2011 NZS3604:2011 is cited in B1/AS1 NZS3604:2011 is cited in NZS3603:1998 which is cited in B1/VM1 	Where the post is specified within the scope of NZS3604:2011	Acceptable Solution (B1/AS1)
		Where the post is specified with the scope of NZS3603:1998	Verification Method (B1/VM1)
B2 (Durability) B2.3.1(a)	<ul style="list-style-type: none"> Lamina are treated to NZS 3640:2003 NZS3640:2003 is cited in NZS3602:2003 Manufactured to AS/NZS 1328.1:1998 which is cited in NZS3602:2003 NZS35602:2003 is cited in B2/AS1 	Where the post is treated to H1.2, H3.2, use is identified in Table 1B2, NZS3602:2003	Acceptable Solution (B2/AS1)
		Where the post is treated to H5.	Verification Method (B2/VM1)
F2 (Hazardous Building Materials) F2.3.1	There is no acceptable solution or verification method	Techlam posts comply with Table 13.2B Guidance for Green Star Design & As Built NZ v1.1.	Alternative solution

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HOW BUILDING CODE COMPLIANCE IS ESTABLISHED

Section 19 of the Building Act 2004 lists methods that a Building Consent Authority must accept as a means for establishing code compliance.

S19(1) A building consent authority must accept any or all of the following as establishing compliance with the [building code](#):

(a) compliance with regulations referred to in [section 20](#):

(b) compliance with an acceptable solution:

(ba) compliance with a verification method:

(c) a determination to that effect made by the chief executive under [subpart 1](#) of Part 3:

(ca) a current national multiple-use approval issued under [section 30F](#), if every relevant condition in that national multiple-use approval is met:

(d) a current registered product certificate, if every relevant condition in that product certificate is met:

(da) in relation to the design and manufacture of a modular component that is designed and manufactured by a registered MCM, a current manufacturer's certificate issued by that registered MCM:

(db) any recognition by the chief executive under [section 272HA](#) of any building products or building methods, or group of building products or building methods, that are certified under an overseas product certification scheme (if every relevant limitation and condition of the recognition is complied with):

(e) to the extent that compliance with a requirement imposed by regulations made under the [Electricity Act 1992](#) or the [Gas Act 1992](#) is compliance with any particular provisions of the [building code](#), a certificate issued under any of those regulations to the effect that any energy work complies with those requirements.

S19(2) In considering whether something complies with the [building code](#), a building consent authority or, as the case may be, a regional authority—

(a) must have regard to any relevant warning or ban in force under [section 26\(2\)](#); and

(b) may have regard to any guidance information published by the chief executive under [section 175](#); and

(c) may have regard to any recognition by the Minister under [section 272HB](#) of any—

(i) groups of standards issued by an overseas standards organisation; or

(ii) standards certification schemes that a standards certification organisation that is based in New Zealand or overseas administers or operates under.

For more information contact Techlam at www.techlam.co.nz.