



CLASS 1

Building Product Information Sheet

Product name:

H4 POST

Brand:

Genlam

Product description and intended use:

180 x 180 H4 POST 6m

Size: 180 x 180mm x 6m

Product Identifiers: POST4KD4S PR:PP180180

Structural Fence Post Solid Laminated GL8 Dressed Post

For use as a post either in-ground for non-structural applications, or above ground in structural applications.

Species Radiata Pine

Primer

Grade Finger Jointed Clear Grade

Dual Enamel Primed

Treatment H4 Treated

Place of manufacture: Made in Aotearoa New Zealand

Legal and trading name of the manufacturer(s):

KLC Limited

Legal and trading name of the importer (if applicable):

N/A

Address for service:

1 Kennedy Street, Kaingaroa Forest 3073, New Zealand

Website:

www.klc.co.nz

Email:

sales@klc.co.nz

Phone:

027 449 2862

NZBN:

9429038099045



Te Kāwanatanga o Aotearoa
New Zealand Government

Relevant Building Code clauses:**B1 Structure**

By testing and comparison with Acceptable Solution B1/AS1 and verification methods (VM) as specified in NZS3622.2004 Verification of timber properties.

B2 Durability

By testing and comparison with Acceptable Solution B2/AS1 and verification methods (VM) as specified in AS/NZS1604.2021 Preservative treated wood-based products.

Statement on how the building product is expected to contribute to compliance:

B1 Structure - the products shall meet the requirements of Clause B1 of the Building Regulations 1992, Schedule 1 the Building Code in particular clauses B1.1, B1.2, B1.3.1, B1.3.2, B1.3.3 and B1.3.4.

B1.1 - safeguarding people from injury and loss of amenity and protection of other property

B1.2 - functional requirements of buildings throughout their lives

B1.3.1 - low probability when used in a building in accordance with NZS3604.2011 Timber framed buildings or NZS/AS1720 Part 1.2022 Timber structures of rupturing, becoming unstable, losing equilibrium or collapsing throughout their lives.

B1.3.2 - low probability when used in accordance with NZS3604.2011 Timber framed buildings or NZS/AS1720 Part 1.2022 Timber structures of causing loss of amenity through undue deformation, vibratory response, degradation or other physical characteristics throughout their lives when the building is in use

B1.3.3 - when used in accordance with NZS3604.2011 Timber framed buildings or NZS/AS1720 Part 1.2022 Timber structures, account is taken of all the physical conditions that are likely to affect the stability of the building element or building.

B1.3.4 - when used in accordance with NZS3604.2011 Timber framed buildings or NZS/AS1720 Part 1.2022 Timber structures, allowance is made for:

i consequences of failure

ii intended use of the building

iii variation in the properties of materials and site characteristics

iv accuracy limitations inherent in methods used to predict the stability of buildings.

B2 Durability – structural timber shall meet the requirements of Clause B2 of the Building Regulations 1992, Schedule 1 of the Building Code, specifically to the building elements having, with normal maintenance, to continue to satisfy the performance requirements of the Building Code. In particular clauses:

B2.3.1(a) - the life of the building, being not less than 50 years.

B2.3.1(b) - 15 years in some circumstances where building elements are moderately difficult to access or replace.

B2.3.1(c) - 5 years in some circumstances where elements are easy to access and replace.

For greater detail refer to Clause B2.3.1 of the Building Regulations 1992.

When preservative treated to the specifications set out in AS/NZS1604.2021 Preservative treated wood-based products structural timber of NZ Radiata pine will comply with B2 Durability requirements

Limitations on the use of the building product:

Structural timber treated to H4 should not be used where it will be subject to inground applications within the building envelope. H5 must be used in this application.

Structural timber should not be used where it will be subject to loadings that are above design limits as specified in NZS3604.2011 Timber framed buildings or NZS/AS1720 Part 1.2022 Timber structures.

H4 Treated timber must not be subject to Marine environment.

Design requirements that would support the use of the building product:

Suitable for use as a structural post above ground (structural rating of GL8) or non-structural in-ground use. When used in construction, particularly work deemed to be Restricted Building Work (RBW) as defined in the Building (Definition of Restricted Building Work) Order 2011 its use should be in accordance with the specifications set out in NZS3604:2011 Timber framed buildings or NZS/AS1720 Part 1:2022 Timber structures.

Installation requirements:

When used in Restricted Building Work as defined in the Building (Definition of Restricted Building Work) Order 2011 must be installed by a Licensed Building Practitioner with appropriate certification.

Maintenance requirements:

Ensure that structural timber can be readily accessible for regular inspection to determine structural integrity remains.

Is the building product/building product line subject to warning or ban under section 26?:

No

If yes, description of the warning or ban under section 26:

N/A

Date: 9/12/2023