

Futurebuild® LVL Products: truFORM®

Product Technical Statement

<p>Product Description</p>	<p>Futurebuild truFORM® is structural Laminated Veneer Lumber (LVL) intended for use as concrete formwork beams – bearers, joists, walers, soldiers, and other timber formwork members.</p> <p>Available in three sizes and painted bright orange for moisture protection and ready identification, truFORM represents a substantial improvement over conventional timber and is an easier to use, more convenient alternative to other materials.</p>
<p>Scope of Use</p>	<p>truFORM LVL members, specified in literature or software detailed below, are suitable for use as structural members in the forming of slab soffits or vertical forms. truFORM LVL members are to be installed in accordance with the span and loading information detailed in accordance with traditionally recognised formwork framing practice.</p> <p>Literature and software covered by this Product Technical Statement;</p> <ul style="list-style-type: none"> • truFORM edgeFORM® Engineered Formwork Solutions • slabIT® App. <p>truFORM, used in formwork systems, is not subject to NZBC Clause B2 Durability requirements because the components are plant items that will be replaced after repeated use and inspection deems the components to be worn or unsuitable.</p>
<p>Limitations / Disclaimer</p>	<p>truFORM LVL members may not be used in:</p> <ul style="list-style-type: none"> • Structural Applications beyond the Scope of Use of this PTS <p>Please refer to the current Futurebuild LVL literature for information, limitations, and cautions regarding the storage, handling, installation, usage, and maintenance of LVL.</p>
<p>Compliance with the New Zealand Building Code</p>	<p>truFORM LVL will, if designed, specified and employed in accordance with the Literature and Software, assist in meeting the following provisions of the NZBC:</p> <p>Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.3(a, b, c, q), B1.3.4(d), B1.3.6</p> <p>The design properties of Futurebuild LVL were determined in accordance with Clause 2.3 of NZS 3603: Timber Structures Standard (NZS 3603)</p> <p>Futurebuild LVL is product certified by the Engineered Wood Products Association of Australasia (EWPAA) as being manufactured in accordance with the joint New Zealand / Australian Standard AS /NZS 4357: Structural Laminated Veneer Lumber (AS/NZS 4357). The EWPAA is accredited for product certification by the Joint Accreditation System of Australia and New Zealand (JAS-ANZ).</p> <p>The design for truFORM sections detailed in the software and literature have been prepared in accordance with the following Australian Design Standards:</p> <ul style="list-style-type: none"> • AS 3610:1995 Formwork for Concrete



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	<ul style="list-style-type: none"> AS 1720.1: Timber Structures using design characteristic values determined in accordance with AS /NZS 4063.2 Section 4. <p>Clause F2 Hazardous Building Materials: F2.3.1</p> <p>Futurebuild LVL meets this requirement and will not present a health hazard to people.</p>
Quality Assurance	<p>Futurebuild has strict quality assurance processes in place to monitor that Futurebuild LVL is manufactured in a manner that meets both the structural and visual requirements of the specific product.</p> <p>truFORM LVL is independently third party audited by the EWPAA. The EWPAA certifies truFORM LVL manufactured by Futurebuild at its Marsden Point mill.</p> <p>Participation and compliance with the requirements of the EWPAA’s process based quality control scheme includes product testing and monitoring of properties. It provides the basis for the EWPAA’s Product Certification of Futurebuild LVL as conforming to the requirements of AS/NZS 4357.</p> <p>Conformance with AS/NZS 4357 ensures that Futurebuild LVL is suitable for structural applications in accordance with AS 1720.1.</p> <p>The EWPAA’s product certification scheme is accredited under JAS-ANZ.</p>
Sustainability	<p>truFORM LVL is manufactured from plantation pine grown in New Zealand. It is grown on tree farms which are tended and harvested to provide wood for LVL manufacture and other applications. The crop is managed on a sustainable basis to yield millable trees. New Zealand plantations are managed in compliance with the New Zealand Forest Accord, a voluntary agreement signed in 1991 between New Zealand forest managers and environmental non-government organisations.</p> <p>truFORM LVL is manufactured in New Zealand, at the Marsden Point Laminated Veneer Mill. Futurebuild LVL is available Forestry Stewardship Council (FSC) (SCS-COC-001319) certified upon request.</p>
Installation Requirements	<p>truFORM LVL members are to be installed in accordance with traditionally recognised formwork framing practice.</p>
Service Life	<p>truFORM, used in formwork systems, is not subject to NZBC durability requirements because the components are plant items that will be replaced after repeated use and inspection deems the components to be worn or unsuitable.</p>
Maintenance Requirements	<p>For best durability and longest re-use potential of truFORM:</p> <ul style="list-style-type: none"> Store under cover in a well-ventilated area Handle and stack with care to avoid damage Stack flat clear of ground on at least three evenly spaced bearers

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	<ul style="list-style-type: none"> • Re-seal cut edges with acrylic paint • Wet members should have spacers between layers to allow to dry out
Product Support	<p>Futurebuild provides extensive product support for our full range of wood based building products. By visiting www.futurebuild.co.nz you can access all the latest information regarding our products including Product Guides, Specification and Installation Guides, Technical Notes, Information Bulletins, CAD Drawings, Design Software and other useful information.</p> <p>In addition to this Futurebuild have a team of Engineers and Technical Experts available to assist with any product enquiries. You can contact the team by calling 0800 808 131 or by emailing info@futurebuild.co.nz.</p>
Legal Disclaimer	<p>The information contained in this document is current as at September 2018 and is based on data available to Carter Holt Harvey (CHH) LVL Ltd at the time of going to print.</p> <p>CHH LVL Ltd reserves the right to change the information contained in this document without prior notice. It is your responsibility to ensure that you have the most up to date information available. You can call toll free on 0800 808 131 or visit www.futurebuild.co.nz to obtain current information.</p> <p>CHH LVL Ltd has used all reasonable endeavours to ensure the accuracy and reliability of the information contained in this document. However, to the maximum extent permitted by law, CHH LVL Ltd assumes no responsibility or liability for any inaccuracies, omissions or errors in this information nor for any actions taken in reliance on this information.</p>