

 the
futurebuild[®]
range

NATURAL SOLUTIONS FOR COMMERCIAL DESIGN

FUTUREBUILD[®]
STRUCTURAL LVL

hy
ONE[®]

FUTUREBUILD[®]
STRUCTURAL LVL

hy
SPAN[®]

FUTUREBUILD[®]
LVL TRUSS CHORDS

hy
CHORD[®]

FUTUREBUILD[®]
STRUCTURAL LVL
BEAMS

hy
90[®]

FUTUREBUILD[®]
LVL ENGINEERED
I-JOISTS

hy
JOIST[®]

FUTUREBUILD[®]
LVL SCAFFOLD
PLANKS

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PLANK[®]

FUTUREBUILD[®]
LVL FORMWORK
BEAMS

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FORM[®]

FUTUREBUILD[®]
LVL FORMWORK
EDGE BOARDS

edge
FORM[®]



10 REASONS TO BUILD WITH FUTUREBUILD® LVL



FUTUREBUILD® LVL PRODUCTS INSPIRE ARCHITECTS, DESIGNERS, BUILDERS AND END-USERS. IT IS CONSISTENT, RELIABLE AND SAVES TIME AND LABOUR.

AVAILABLE IN LONGER LENGTHS THAN TIMBER, FUTUREBUILD LVL CAN BEAR GREATER LOADS OVER WIDER SPANS MAKING IT A VERY COST-EFFECTIVE SOLUTION.

COST COMPETITIVE

Single Storey Portal Frame Structures

Using innovative construction methods such as ground level bay construction, Futurebuild® LVL can provide significant construction speed savings resulting in a potentially lower overall build cost.

Prefabricated LVL Structures

Futurebuild LVL can arrive on site ready for immediate erection, for improved build efficiency.

ENVIRONMENTAL

Wood is one of the world's most environmentally responsible building materials and can have a substantial impact on carbon emissions when compared to other higher energy-intensive building products.

Futurebuild LVL achieves maximum New Zealand Green Building Council rating points for timber and has a low E0 formaldehyde emission classification.



CORROSION RESISTANT

Futurebuild® LVL is especially suitable for buildings where structural elements may be exposed to the corrosive effects of chemical vapours such as:

- Swimming pools
- Marine environments
- Fertiliser storage

LIGHTWEIGHT

Lightweight timber buildings impose less gravity load than comparable concrete and steel buildings. On sites where poor foundation ground exist or where seismic demand is high, lightweight timber buildings have lower seismic design loads and therefore offers the opportunity to contribute to a lower overall build cost.

AESTHETICS

Futurebuild LVL adds the natural beauty and warmth of wood to any project.

It can be left natural or covered with a range of coating options to meet specific visual requirements.

DURABILITY

Compliant with AS/NZS 4357 Futurebuild LVL is uniformly strong, stiff and dimensionally stable providing consistent structural performance.

It is suitable for use in sheltered conditions (not suitable for direct exposure to weather) and available untreated or H3.1 LOSP treated for applications where exposure to moisture is a consideration.



FIRE

Wood develops a slow burning protective char layer resulting in a slow loss of section unlike unprotected steel components that suffer a sudden loss of strength above a certain temperature.

INSTALLATION EFFICIENCY

Futurebuild® LVL is comparatively light and easy to work with using every day woodworking tools. Builders are familiar with wood and in many situations it means they can complete a job more efficiently.

DESIGN & SUPPORT

CHH Woodproducts offers a full technical support program for commercial building including comprehensive technical literature, design tools and access to our experienced team of structural engineers.

ACOUSTICS

Timber presents a softer surface and hence a surface that is less reflective of sound and ideal for large internal spaces.

WHAT IS FUTUREBUILD® LVL?



FUTUREBUILD® LVL (LAMINATED VENEER LUMBER) IS AN ENGINEERED WOOD PRODUCT THAT USES MULTIPLE LAYERS OF 3.5MM THICK WOOD VENEER LAMINATED TOGETHER UNDER PRECISE FACTORY CONDITIONS.

The manufacturing process reduces the effect of natural defects such as knots in timber which are randomised throughout the entire LVL length, providing significantly enhanced strength, rigidity and structural uniformity.

Futurebuild® LVL is much less likely than conventional timber to experience warp, twist, bow, or shrink making it ideal for use in commercial construction.

Compared to other structural framing materials such as steel and concrete Futurebuild LVL offers a lightweight alternative, which is suitable for most commercial applications including:

- Ground, mid and mezzanine floor systems
- Purlins, girts and rafters
- Portal frame construction
- Structural framing members

HIGH PERFORMANCE BUILDINGS THAT WON'T COST THE EARTH

Today's modern structural timber technology means that Futurebuild LVL is now a cost effective and viable alternative to using equivalent concrete or steel products in many building types.

WE MAKE IT EASY TO BUILD WITH LVL

FUTUREBUILD® LVL COMMERCIAL RANGE

Futurebuild® LVL offers a comprehensive range of LVL product solutions suitable for almost any commercial project.

<p>FUTUREBUILD® STRUCTURAL LVL</p> <p>hy ONE®</p>	<p>High stiffness LVL typically used as lintels or floor beams where large spans or depth restrictions apply</p>
<p>FUTUREBUILD® STRUCTURAL LVL</p> <p>hy SPAN®</p>	<p>Versatile LVL product typically specified as structural beams as well as lintels, rafters and floor joists</p>
<p>FUTUREBUILD® LVL TRUSS CHORDS</p> <p>hy CHORD®</p>	<p>Suitable for high load applications where predictable deflection is critical such as roof truss chords</p>
<p>FUTUREBUILD® STRUCTURAL LVL BEAMS</p> <p>hy 90®</p>	<p>90 mm thick LVL designed for lintels and beams to match a 90 mm light timber frame wall</p>
<p>FUTUREBUILD® LVL ENGINEERED I-JOISTS</p> <p>hy JOIST®</p>	<p>Lightweight engineered 'I-beam' ideally suited to floor joist, rafters and purlins</p>
<p>FUTUREBUILD® LVL SCAFFOLD PLANKS</p> <p>hy PLANK®</p>	<p>Scaffold plank with significantly higher structural reliability than solid timber</p>
<p>FUTUREBUILD® LVL FORMWORK BEAMS</p> <p>tru FORM®</p>	<p>LVL beams for use in structural concrete formwork such as bearers, walers and soldiers</p>
<p>FUTUREBUILD® LVL FORMWORK EDGE BOARDS</p> <p>edge FORM®</p>	<p>LVL for use as edge boards in concrete formwork</p>

COMMERCIAL SUPPLY NETWORK

CHH Woodproducts commercial supply network provides a range of supply options to meet the specific requirements of a project.

National Merchant Network:

Purchase individual pieces or pack lots from your local building merchant for a cost effective option for smaller volumes or where standard Futurebuild® LVL lengths are required.

Fabrication:

For major commercial projects consider an approved CHH Woodproducts fabricator. Futurebuild LVL can be processed into kitset style components and delivered to site ready for erection. The kitset like process helps ensure assembly accuracy while increasing build efficiency and reducing the potential for on site construction errors.

Fabrication & Erection:

For a one stop fabrication and build option use an approved CHH Woodproducts fabricator.

INTEGRATED TECHNICAL SUPPORT

Backed by CHH Woodproducts, Futurebuild LVL offers comprehensive technical support for commercial buildings including:

- On site specialists
- Experienced timber design engineers
- Software design platforms
- Technical literature
- Preliminary structural design and cost estimate service (conditions apply)