Futurebuild residential design service

INTRODUCING ENVIRONMENTAL IMPACT STATEMENTS

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Figure 1. Environmental Impact Statement example

Figure 2. Futurebuild LVL EPD

With GWP in mind, Futurebuild[®] LVL have developed Environmental Impact Statements (EIS) that are provided with every floor or roof solutions designed or detailed through the Residential Design Service (RDS) using data from published Environmental Product Declarations (EPDs).

The inclusion of EIS with all RDS solutions is an extension of Carter Holt Harvey's continual focus and commitment to sustainability through a science driven, verifiable process with a standard methodology applied across all products.

Whether you are building a double storey standalone dwelling, a terraced housing project or a midrise apartment structure the environment impacts from the materials you choose to use in construction have a significant bearing on the Global Warming Potential (GWP).

DESIGN - PLAN - DELIVER

RESIDENTIAL DESIGN SERVICE

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0800 585 244 or email design@futurebuild.co.nz



ENVIRONMENTAL IMPACT STATEMENTS AND EPDs

I. What is an EIS?

An EIS is a cradle to gate assessment for GWP relating to the Futurebuild[®] LVL, Ecoply Plywood products and proprietary bracketry, where applicable. Representations regarding GWP are for Life Cycle Analysis (LCA) Production modules only (A1-A3) in accordance with ISO 14025 and EN15804+A2. The determination of GWP data presented in this Environmental Impact Statement is based on the Futurebuild LVL Laminated Veneer Lumber and the CHH Ply Plywood Environmental Product Declarations (EPD) completed by Think-Step-anz Ltd and third party verified by Life Cycle Logic Pty Ltd.

2. What Does an EIS include?

An EIS includes calculations for two commonly applied Environmental Impact Indicators, GWP Total (GWPt) and GWP Fossil (GWPf). GWPt represents the total carbon footprint of the product (including GWPf), whilst for timber products, the most common values used for carbon footprint in ratings tools like Green Star and eTool is the fossil carbon footprint, GWPf. Consideration of other life cycle stages including construction process, use and end of life stages have been excluded as they are dependent on particular scenarios and have not been declared.

3. More about the Carter Holt Harvey Sustainable Approach

Carter Holt Harvey takes a sustainable approach to the way the company operates and grows its business. The company's commitment to the environment is fundamental to its business. From the use of plantation forests to promoting polices minimizing waste and emissions, CHH is proud of the sustainable base for its products. CHH continually strives to be an outstanding business in everything the company does, from manufacturing to service delivery with sustainable solutions at the core of this.

The CHH EPDs are a demonstration of the continual focus and commitment to sustainability, through a science driven, independently verifiable process with standard methodology across all products.

To further understand the GWP affects on your engineered wood product floor and/or roof solution, or for design support contact our RDS design team at:

design@futurebuild.co.nz or 0800 585 244

www.futurebuild.co.nz

EIS EXAMPL E



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LVL EPD



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