

CERTIFICATE OF COMPLIANCE

TGA Engineers (TGA) are consulting structural engineers with extensive experience in timber design and production of span tables.

Based on our experience and detailed review of the span tables produced within Spanman software by Spanware Pty Ltd for Auswood International Pty Ltd (AUSWOOD), TGA certify the methodology, process and tables are in accordance with the relevant Australian standards and National Construction Code of Australia.

TGA can confirm the design methodology is in accordance with AS 1720.1: 2010 *Timber structures – Design methods*, and AS 1720.3: 2016 *Timber structures – Design criteria for timber-framed residential buildings*.

AS 1720.3: 2016 provides a prescriptive approach to standard design scenarios typically encountered in residential construction. Situations outside these scenarios will need to be specifically designed by a qualified professional structural engineer.

AUSWOOD has provided design properties for each Envirobeam LVL and Envirojoist I-joist systems. These characteristic properties have been established through the appropriate Australian standards AS/NZS 4357 for evaluation of LVL characteristic properties.

Therefore, the AUSWOOD Envirobeam LVL and Envirojoist I-beam systems, based on the span tables, can be installed as per AS 1684.2.

References:

AS 1170.0: 2002 *Structural design actions – General principles*

AS 1170.1: 2002 *Structural design actions – Permanent, imposed and other actions*

AS 1170.2: 2021 *Structural design actions – Wind actions*

AS 1684.2: 2021 *Residential timber-framed construction – Non-cyclonic areas*

AS 1684.4: 2010 *Residential timber-framed construction – Simplified – Non-cyclonic areas*

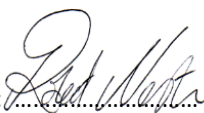
AS 1720.1: 2010 *Timber structures – Design methods*

AS 1720.3: 2016 *Timber structures – Design criteria for timber-framed residential buildings*

AS/NZS 4357.0:2005 *Structural laminated veneer lumber - Specifications*

AS/NZS 4357.1:2005 *Structural laminated veneer lumber – Method of test for measurement of dimensions and shape*

AS/NZS 4357.2:2006 *Structural Laminated veneer lumber – Determination of structural properties-test methods*

Signed: 

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