

Dr Keith Crews  
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**Centre for Built Infrastructure Research**

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**SUBJECT: 6mm EGGER "OS´Brace™" Structural Sheet Bracing Panels  
Manufactured as EGGER OSB/3 by EGGER  
Holzwerkstoffe Wismar GmbH & Co. KG, Germany or  
By SC EGGER Romania SRL, Radauti, Rumania  
Certificate of Structural Adequacy**

This Certificate is to confirm that I have undertaken an assessment and review of representative production test data from the OSB mill in Wismar, Germany (which is the basis of my original Certifications of Performance) and data from the OSB mill in Radauti, Romania.

I confirm that the structural properties from both mills are "equivalent" and fit for purpose, in meeting the performance requirements noted below.

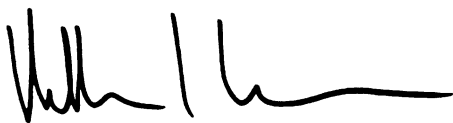
In particular, the design methodology and criteria for applications using the bracing panels are based upon use of the following documents:

1. AS1684 – 2010 SAA National Timber Framing Code
2. AS1720.1 – 2010 SAA Timber Structures Code – Part 1 Design Methods

When installed in accordance with the manufacturer's specification, OS´Brace™ panels will comply with the requirements of the Building Code of Australia. The **certified design properties** for 2.7m high walls constructed of timber framing of grade JD5 or better are:

Type 1 panels: 80/150/300 – WITHOUT tie down rods: minimum racking resistance of 3.4 kN/m  
Type 2 panels: 80/150/300 – WITH M12 tie down rods: minimum racking resistance of 5.6 kN/m  
Type 3 panels: 40/150/300 – WITHOUT tie down rods: minimum racking resistance of 6.0 kN/m  
Type 4 panels: 80/150/ ---- – WITH M10 coach screws: minimum racking resistance of 2.2 kN/m  
- when such loads are determined in accordance with AS1170 (parts 1 – 4).

It is also noted that an accredited independent Testing Laboratory ("Notified Body") undertakes Third Party Auditing of factory production control of OSB according EN 300:2006 in conjunction with the building product guideline EN 13986:2004. The mean density of the OSB product is > 600 kg/m<sup>3</sup> at a tolerance of +/- 10% (evaluation acc. EN 323:1993) and a moisture content of less than 12% in accordance with EN 300:2006.

A handwritten signature in black ink, appearing to read "Keith I Crews". The signature is fluid and cursive, with a long horizontal stroke at the end.

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