

# IGNIS ADVISORY NOTE

Evaluation No.IGNS-6149 Issue 01 Revision 00 [2018]

## Regen MEGABOARD NCC Compliance

### 1 Introduction

Ignis Solutions has been engaged to evaluate the compliance of the MEGABOARD magnesium board and its non-combustible status for use in Bushfire Prone Areas.

This engineering certificate serves as a certificate from professional engineer in accordance with Clause A.2.2 (a)(iii) and 1.2.2 (a)(iii) of the National Construction Code Volume One and Two Building Code of Australia 2016 and Clause A.2.2(a)(v) of the National Construction Code Volume One 2016 Amendment 1.

### 2 Building Code of Australia (BCA) Compliance

There are two versions of the BCA reviewed for compliance as part of this advisory note. BCA Volume One and Two 2016 and BCA Volume One 2016 Amendment 1.

The following clauses of the National Construction Code detail that the material, though containing combustible fibres, may be used wherever a non-combustible material is required. Clause A1.4 of BCA 2016, details that the National Construction Code overrules in any difference arising between it and any standard listed within the BCA. The Regen MEGABOARD is deemed non-combustible based on its testing and material composition.

### 3 AS 3959-2009 Construction of buildings in bushfire-prone areas

AS 3959 is primarily concerned with improving the ability of buildings in designated bushfire-prone areas to better withstand attack from bushfire thus giving a measure of protection to the building occupants (until the fire front passes) as well as to the building itself.

AS 3959 sets requirements for external walls and their construction in Bushfire Attack Levels (BAL) from Low to 40. The following table details the requirement for the exposed components of an external wall.

Clause	Requirement	Status
<b>Section 5</b>	<b>BAL 12.5</b>	
5.4.1 (a)	Non-combustible material	Compliance achieved
<b>Section 6</b>	<b>BAL 19</b>	
6.4.1 (a)	Non-combustible material	Compliance achieved
<b>Section 7</b>	<b>BAL 29</b>	
7.4.1 (a)	Non-combustible material	Compliance achieved
<b>Section 8</b>	<b>BAL 40</b>	
8.4.1 (a)	Non-combustible material	Compliance achieved



#### 4 Conclusion

---

Based on the information detailed above, the Regen MEGABOARD is suitable for use in Bushfire-prone areas of BAL low to 40.

Provided any joints are no greater than 3mm or appropriately sealed, compliance with AS 3959-2009 as well as the National Construction Code of Australia Volumes 1 and 2 2016 and 2016 Amendment 1 can be achieved.

**Benjamin Hughes-Brown** FIEAust CPEng NER APEC Engineer IntPE(Aus)  
Managing Director

Chartered Professional Engineer

CPEng, NER (Fire Safety / Mech) 2590091, RPEQ 11498, BPB-C10-1875, EF-39394

MFireSafety (UWS), BEng (UTS), GradDipBushFire (UWS), DipEngPrac (UTS), DipEng (CIT)