A member of LIVE Consulting Group

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Date of Issue

IGNIS ADVISORY NOTE

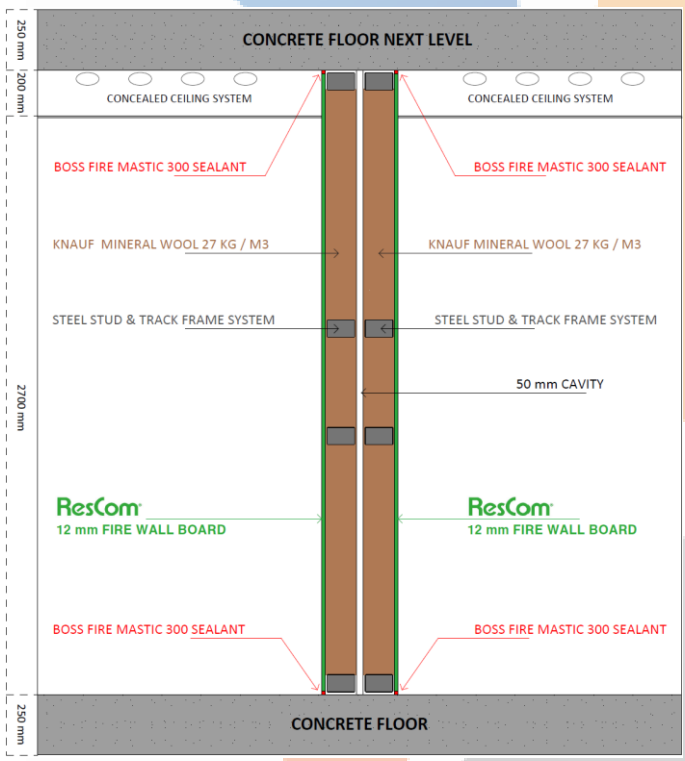
Evaluation No.IGNS-6290-01 Issue 00 Revision 04 [2018]

ResCom System RC/TS 90

Ignis Solutions has been engaged to provide guidance on the attached wall systems. The BCA through Specification A2.3 Clause 2 (b) requires the building element to be identical with a prototype that has been submitted to the standard fire test or an equivalent or more severe test.

Ignis Solutions has previously evaluated the ResCom wall systems in Ignis report 4241 I02R02 dated 26 September 2017. This engineering certificate should be read in conjunction with the above referenced Ignis report. This engineering certificate serves as a certificate from professional engineer in accordance with Clause A2.2 (a)(iii) of the National Construction Code Volume One Building Code of Australia.

The RC/TS 90 wall system consists of 12mm ResCom Board on either side of a double stud designed wall system with a 50mm cavity.



With respect to the ResCom tested wall systems the following relates to the selected systems.

Testing undertaken by Intertek Shanghai testing facility to ASTM E119-16a where the equivalent standard fire curve was used in the boards evaluation.

The test was undertaken on 19 December 2016 in report 160929005SHF-BP-1 with the wall set up being 12mm thick ResCom Board on either side of a 75mm steel studs at nominally 600mm centres and 180kg/m^3 Rockwool insulation. The following results were produced:

Regulatory Indices:	
Structural adequacy	-
Integrity	180 minutes
Insulation	90 minutes

The RC/TS 90 wall system with 12mm ResCom Board on either side of a double stud designed wall system with a 50mm cavity with a 64mm steel studs with a 0.75 BMT and no less than 27kg/m^3 mineral wool insulation will achieve an FRL of at least -/90/90. The reduction of rockwool insulation density is based on additional testing undertaken on the ResCom wall system in Ignis testing report IGNS-6259 where a reduced density insulation was included.

The structural elements providing structural adequacy provided the structural system is designed by an appropriately qualified structural engineer

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