

## INSULFLOOR TESTING & ACCREDITATIONS

Test description	Testing Authority	Standard (if applicable)	Result
Structural design actions; Modulus of elasticity in bending and bending strength	University of Sydney / SGS	AS/NZS 1170.1 – 2002 AS/NZS 4266.5 – 2004	Performance of the InsulFloor panels in terms of load capacity and deflection satisfy the requirements of the standards AS/NZS 1170.1 (2002) and AS/NZS 4266.5 (2004)
R-Value – Independent calculation of R-value for InsulFloor as an alternative solution	Acronem Consulting Australia Pty Ltd	National Construction Code Series (NCC) Volume 2, Building Code of Australia (BCA) 2012, Class 1 and 10 Buildings	R2.25 with an enclosed subfloor – Increases to R3.25 with polyweave sarking under the joists
Simultaneous determination of Ignitability, Flame Propagation, Heat Release and Smoke Release	Australian Wool Testing Authority Ltd	AS1530.3 - 1999	Pass – Note specific results were: Ignitability = 0 (min in range of 0-20) Spread of Flame = 0 (min in range of 0-10) Heat Evolved = 0 (min in range of 0-10) Smoke Developed = 2 (in range of 0-10)
Airborne sound transmission loss using InsulFloor as a wall Note: Test sample = 10mm plasterboard on one side of the 90mm stud and InsulFloor on the other side	Day Design	AS/NZS ISO 717.1 – 2004	Rw (C;Ctr) of 39 (-2;-7) {Considered good for a single wall not part of a wall system}
Compression Testing for Frame Loading Note: InsulFloor used without any support rails	VIPAC	N/A	Results indicate that InsulFloor, as part of a typical frame construction, can support, without any cracking and/or discernible deformation: <ul style="list-style-type: none"> <li>• Without noggins, a single storey with a tile roof</li> <li>• With noggins, in excess of a double storey with a tile roof</li> </ul>
Combustibility test of InsulFloor skins (ie: top and bottom layers made from MgO Sulphate cement)	CSIRO	AS 1530.1 - 1994	Non-combustible
Pull-test: Testing adhesion of MgO board to XPS insulation (after samples had been subjected to accelerated weathering (or environmentally conditioning) for 840hrs)	Melbourne Testing Services Pty Ltd	N/A	The adhesion could withstand an average pull load of 427N (equivalent to an average pressure of 20.53 g/mm <sup>2</sup> )
Asbestos Identification	Pickford & Rhyder Consulting	AS 4964 - 2004	No asbestos detected