

of insulation for a period of exposure of 120 minutes if tested in accordance with the requirements of AS1530.4-1997.

4 CONCLUSIONS

4.1 Based on the analysis and discussion undertaken within this report, it is considered likely that the Barrierboard non-loadbearing wall systems constructed to a maximum of 3000mm high, and as detailed in this report, will satisfy the following criteria if subjected to a fire resistance test conducted in accordance with AS1530.4-1997:

	Single Layer Barrierboard 1016 on one face, Single Layer 16mm Pioneer Fireshield on other face			Single Layer Barrierboard 1016 on each face		
	Structural Adequacy (Minutes)	Integrity (Minutes)	Insulation (Minutes)	Structural Adequacy (Minutes)	Integrity (Minutes)	Insulation (Minutes)
Staggered Steel Stud framing	N/A	120*	111*	N/A	120	120
Single Steel Stud framing	N/A	90	90	N/A	120	120
Boxed (double) Steel Stud framing	N/A	90	90	N/A	120	120
Staggered Timber Stud framing	N/A	120	90	N/A	120	120
Single Timber Stud Framing	N/A	90	90	N/A	120	120
Double Timber Stud Framing	N/A	90	90	N/A	120	120

* Subject of fire resistance test WFRA No. F91813

4.2 The Fire Resistance Level (FRL) of the systems are designated as follows:

	Single Layer Barrierboard 1016 on one face, Single Layer 16mm Pioneer Fireshield on other face	Single Layer Barrierboard 1016 on each face
Staggered Steel Stud framing	-/120/90	-/120/120
Single Steel Stud framing	-/90/90	-/120/120
Boxed (double) Steel Stud framing	-/90/90	-/120/120
Staggered Timber Stud framing	-/120/90	-/120/120
Single Timber Stud Framing	-/90/90	-/120/120
Double Timber Stud Framing	-/90/90	-/120/120

5 VALIDITY

5.1 This appraisal is formulated on the basis of information and experience available at the time of preparation. The published procedures for the