

Proseries Fireblock Fire and Acoustic Test Summary

Summary of fire tests on Fireblock PSA to Australian Standard AS1530.4-2005

A) AS 1530.4-2005 for expansion joints in 120mm thick concrete wall for 4 hour rating

Report Number	Test #	Joint Width	Joint Depth	1 or 2 sided?	Results		
					Resistance to passage of flame	Insulation limit of 181C Temperature rise	Rating
2259500 (Concrete)	1	10mm	10mm	1: fire side only	No failure at 241 mins	146 mins	240/120
	2	40mm	20mm	1: fire side only	No failure at 241 mins	68 mins	240/60

B) AS1530.4-2005 for Penetrations and Joints in Internal applications for 2 hour rating

Report Number	Test #	Joint Width	Joint Depth	1 or 2 sided	Results		
					Resistance to passage of flame	Insulation limit of 181C Temperature rise	Rating
2254400 (plasterboard) (115mm thick steel stud plaster board wall)	A--vertical control joint	20mm	16mm	2: fire and non fire side	No failure at 155 mins	155 mins	120/120
	B--deflection head joint	20mm	16mm	2: fire and non fire side	No failure at 155 mins	130 mins	120/120
	C--40mm brass pipe	10mm	16mm	2: fire and non fire side	No failure at 155 mins	35 mins	120/30
	D--D2 GpB cable install	20mm	16mm	2: fire and non fire side	failed at 104 mins	37 mins	90/30
	E--D1 GpA cable install	40mm	16mm	2: fire and non fire side	failed at 142 mins	38 mins	120/30
	F--150mm copper pipe	10mm	16mm	2: fire and non fire side	No failure at 155 mins	8 mins	120/0
	G--100mm brass pipe	10mm	16mm	2: fire and non fire side	failed at 68 mins	7 minutes	60/0

Summary of Fire Tests on Fireblock PSA to ASTM E1966-07 and ASTM E814-09

A) ASTM E1966-07 on 120mm thick concrete wall and run for 241 minutes for External Joints

Report Number	Test #	Joint Width	Joint Depth	1 or 2 sided?	Results			
					Resistance to passage of flame	Insulation limit of 181C Temperature rise	Resistance to passage of water	Rating
2505400.1 (Concrete)	1	20mm	10mm	Both Sides	No failure at 241 mins	128 mins	no opening formed	F
	2	40mm	20mm	Both Sides	No failure at 241 mins	125 mins	no opening formed	F
	3	20mm	10mm	1: fire side only	No failure at 241 mins	28 mins	opening formed	
	4	40mm	20mm	1: fire side only	No failure at 241 mins	69 mins	opening formed	

B) ASTM E814-09 for internal Penetration and joint for 121 minutes on Plasterboard fire rated wall assembly

Report Number	Test #	Joint Width	Joint Depth	1 or 2 sided	Results			
					Resistance to passage of flame	Insulation limit of 181C Temperature rise	Resistance to Passage of water	Rating
2505300-1 (plasterboard) (115mm thick steel stud plaster board wall)	A--deflection head joint	20mm	16mm	2: fire and non fire side	No failure at 121mins	No failure at 121mins	No opening formed	T
	B--vertical control joint	20mm	16mm	2: fire and non fire side	No failure at 121mins	No failure at 121mins	No opening formed	T
	C--40mm brass pipe	10mm	16mm	2: fire and non fire side	No failure at 121mins	28 mins	No opening formed	F
	D--150mm copper pipe	20mm	16mm	2: fire and non fire side	No failure at 121mins	11mins	No opening formed	F
	E--100mm brass pipe	40mm	16mm	2: fire and non fire side	No failure at 121mins	12mins	No opening formed	F
	G--D2 GpB cable install	10mm	16mm	2: fire and non fire side	No failure at 121mins	62mins	Opening formed	
	H--D1 GpA cable install	10mm	16mm	2: fire and non fire side	No failure at 121mins	69mins	No opening formed	F
25050-03 (opinion)	Configurations A to H	This report states that Fireblock should give the same results for these configurations for the different wall systems as listed: 1) Plasterboard is replaced by similar type and/or with increased thickness (see full report) 2) May be replaced with concrete or masonry walls of equal or greater thickness (see full report) 3) May be replaced with Hebel blocks of similar with thickness >150mm (see full report)						

Airbourne Sound Transmission Report for Selleys Fireblock Sealant into a Filler Wall Assembly

ATF Report #	Wall description	Joint Details	Sound Rating Rw		
			Filler Wall	No sealant in Slots	Slots filled with Fireblock
2061	Filling Slots (Joints) in Multilayered plasterboard Filler (internal) wall 9.95m2 in area	12mm x 12mm x 12 metres total length (Max expected sealant usage for wall of this area)	67(-1,-3)	35	67