

Wall System Code, and Diagram	R <sub>w</sub>	R <sub>w</sub> + C <sub>tr</sub>	Load Capability	Fire Resistance Level	Fiberock Linings (unless otherwise noted)	Insulation	Framing Size	Weight ~ kg/m <sup>2</sup>
<b>PRS30SiA / PRSL30SiA</b> 	39	37	LB	(30)/30/30	1 layer of 13 mm each side	No insulation	64mm deep by 0.5mm thick or larger	27
<b>PRS30SiB / PRSL30SiB</b> 	41	37					92mm deep by 0.55mm thick or larger	
<b>PRS60SiB / PRSL60SiB</b> 	42	36					(60)/60/60	1 layer of 16 mm each side
<b>PRS60SiA</b> 	44	33	NLB	-/60/60	1 layer of 13 mm each side	63mm mineral wool with min. service temp. of 450°C	64mm deep by 0.5mm thick or larger	28
<b>PRSSiA</b> 	45	33	LB	-	1 layer of 10 mm each side	R2.0 glasswool, or polyester blanket	76mm deep by 0.55mm thick or larger	25
<b>PRSSiB</b> 	46	35					92mm deep by 0.55mm thick or larger.	
<b>PRS60SiC</b> 	47	39	NLB	-/60/60	1 layer of 13mm each side	63mm mineral wool with min. service temp. of 450°C	92mm deep by 0.55mm thick or larger.	28
<b>PRS60SiD / PRSL60SiD</b> 	47	40	LB	(60)/60/60	1 layer of 16mm each side	R2.0 glasswool, or polyester blanket		33
<b>PRS30SiC / PRSL30SiC</b> 	48	41		(30)/30/30	1 layer of 13mm lining each side			28
<b>PRS90SiA</b> 	48	42	NLB	-/90/90	1 layer of 13mm and 1 layer of 16mm each side	No insulation	64mm deep by 0.5mm thick or larger	58
<b>FR120SiD</b> 	48	42		-/120/120	2 layers of 16mm each side		64mm deep by 0.75mm thick or larger	63
<b>PRS90SiD</b> 	50	43		-/90/90	1 layer of 13mm and 1 layer of 16mm each side		92mm deep by 0.55mm thick or larger	58
<b>PRSSiA</b> 	51	38	LB	(30)/30/30	1 layer of 10mm each side	R2.0 glasswool, or polyester blanket	64mm deep by 0.5mm or larger, staggered	23
<b>PRS30SiE / PRSL30SiE</b> 	51	43					1 layer of 13 mm each side, plus 1 layer of 6.5mm on one side	92mm deep by 0.55mm thick or larger

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<p>PRS30SiD / PRSL30SiD</p>	51	43	LB	(30)/30/30	1 layer of 13mm on one side, and 2 layers of 13mm on the other	R2.0 glasswool, or polyester blanket	92mm deep by 0.55mm thick or larger	41
<p>PRS120SiA</p>	51	44	NLB	-/120/120	2 layers of 16mm each side	No insulation	92mm deep by 0.55mm thick or larger	63
<p>PRSDoA</p>	52	42		1 layer of 10mm on each side	R2.0 glasswool, or polyester blanket	64mm deep by 0.5mm thick or larger, gapped double		25
<p>PRS30StA</p>	53	43		-/30/30	1 layer of 13 mm each side	63mm mineral wool with min. service temp. of 450°C	64mm deep by 0.5mm thick or larger, staggered	28
<p>PRS60StB</p>	53	43		-/60/60	1 layer of 13 mm each side			29
<p>PRS60SiF / PRSL60SiF</p>	53	46		LB	(60)/60/60	1 layer each of 13mm and 6.5mm on one side, and 1 layer of 16mm on the other	R2.0 glasswool, or polyester blanket	92mm deep by 0.55mm thick or larger.
<p>PRS90SiB</p>	54	47	NLB	-/90/90	2 layers of 13mm each side	63mm mineral wool with min. service temp. of 450°C	64mm deep by 0.5mm thick or larger	54
<p>FR120DoB</p>	54	47		-/120/120	2 layers of 16mm on each side	No insulation	92mm deep by 0.55mm thick or larger, adjacent double	62
<p>PRS60StA</p>	55	45		-/60/60	1 layer of 16mm each side	R2.0 glasswool, or polyester blanket	64mm deep by 0.5mm thick or larger, staggered	34
<p>PRS30DoB</p>	56	46		-/30/30	1 layer of 13mm each side		92mm deep by 0.55mm thick or larger, gapped double	29
<p>PR60SiF</p>	56	50		-/60/60	1 layer of 13 mm plus 1 layer of 6.5mm each side		64mm deep by 0.55mm thick or larger, staggered	42
<p>PRS60SiE / PRSL60SiE</p>	56	48	LB	(60)/60/60		92mm deep by 0.55mm thick or larger	40	

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<b>PRS60SiH / PRSL60SiH</b> 	56	49	LB	(60)/60/60	1 layer each of 16mm USG® Fiberock and 10mm plasterboard each side	R2.0 glasswool, or polyester blanket	92mm deep by 0.55mm thick or larger	56	
<b>PRS90SiC</b> 	56	49	NLB	-/90/90	2 layers of 13mm each side	63mm mineral wool with min. service temp. of 450°C		54	
<b>PRS90SiE</b> 	56	50			1 layer each of 13 mm and 16mm each side			59	
<b>PRS120SiB</b> 	56	51		-/120/120	2 layers of 16 mm each side			64	
<b>PRS60SiG / PRSL60SiG</b> 	57	51	LB	(60)/60/60	1 layer each of 16mm and 10 mm each side			56	
<b>PRS30SiB</b> 	58	50		-/30/30	2 layers of 13mm one side, and 1 layer the other side			64mm deep by 0.55mm thick or larger, staggered	42
<b>PRS60DoB</b> 	58	51	NLB	-/60/60	1 layer of 16mm each side	R2.0 glasswool, or polyester blanket		76mm deep by 0.55mm thick or larger, gapped double	42
<b>PRS60StG</b> 	59	50			1 layer of 13mm and 6.5mm on one side and 1 layer of 16mm on the other			41	
<b>PRS60StC</b> 	59	50			2 layers of 13mm on one side, and 1 layer of 16mm on the other side			44	
<b>PRS60StD</b> 	60	52			2 layers of 16mm on one side, and 1 layer of 16mm on the other			49	
<b>PRS60SiE</b> 	61	52			2 layers of 13mm each side		54		

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<b>PRS30DoA</b> 	62	54	NLB	-/30/30	2 layers of 13mm one side, and 1 layer of 13mm on the other	R2.0 glasswool, or polyester blanket	92mm deep by 0.55mm thick or larger, gapped double	42
<b>PRS60SiH</b> 	62	52		-/60/60	1 layer each of 10mm plasterboard and 16mm USG® Fiberock each side	63mm mineral wool with min. service temp. of 450°C	64mm deep by 0.5mm thick or larger, staggered	48
<b>PRS90SiA</b> 	62	52		-/90/90	2 layers of 13mm each side			63
<b>PRS120SiA</b> 	63	55		-/120/120	2 layers of 16mm each side			63
<b>PRS60DoC</b> 	66	58		-/60/60	1 layer each of 16mm Fiberock and 10mm plasterboard each side	1 layer of R2.0 glasswool, or polyester blanket	92mm deep by 0.55mm thick or larger, gapped double	58
<b>PRS60DoA</b> 	68	60		-/90/90	2 layers of 13mm each side			55
<b>PRS90DoA</b> 	69	62		-/90/90	1 layer each of 13mm and 16mm each side			59
<b>PRS90DoB</b> 	70	63		-/90/90	1 layer each of 13mm and 16mm each side			63mm mineral wool with min. service temp. of 450°C
<b>PRS120DoA</b> 	71	64		-/120/120	2 layers of 16mm each side	2.0 glasswool, or polyester blanket	63	