

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>PRT30SiA / PRTL30SiA</b> 	37	31	LB	(30)/30/30	1 layer of 13 mm each side	No insulation	70mm by 45mm or larger	33
<b>PRT60SiA / PRTL60SiA</b> 	39	32		(60)/60/60	1 layer of 16 mm each side			40
<b>PRTSiD</b> 	42	36	NLB	-/-/-	1 layer of 10 mm each side	R2.0 Glasswool or Polyester Blanket	90mm by 45mm or larger	28
<b>PRT30SiB / PRTL30SiB</b> 	42	37	LB	(30)/30/30	1 layer of 13 mm each side			35
<b>PRT60SiB</b> 	42	37	NLB	-/60/60	1 layer of 13 mm each side	63mm mineral wool with min. service temp. of 450°C	90mm by 45mm or larger	36
<b>PRT90SiA / PRTL90SiA</b> 	43	35	LB	(90)/90/90	1 layer each of 16mm and 13mm each side	No insulation		66
<b>PRT120SiA</b> 	43	36	NLB	-/120/120	2 layers of 16mm each side		63mm mineral wool with min. service temp. of 450°C	90mm by 45mm or larger
<b>PRT90SiB</b> 	45	40		-/90/90	2 layers of 13mm each side	62		
<b>PRT90SiC / PRTL90SiC</b> 	45	40	LB	(90)/90/90	1 layer of 16mm plus 1 layer of 13 mm each sides	R2.0 Glasswool or Polyester Blanket	90mm by 45mm or larger	67
<b>PRT120SiB</b> 	45	40	NLB	-/120/120	2 layers of 16 mm each side			71
<b>PRT30SiE / PRTL30SiE</b> 	46	41	LB	(30)/30/30	1 layer of 13mm one side, & 1 layer of 13mm plus 1 layer of 6.5mm other side	R2.0 Glasswool or Polyester Blanket	70mm by 45mm or larger	44
<b>PRT30SiD / PRTL30SiD</b> 	46	40			1 layer of 13mm one side, & 2 layers of 13mm other side			49

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<b>PRT60SiE</b> 	46	42	NLB	-/60/60	1 layer of 13mm one side, & 2 layers of 13mm other side	63mm mineral wool with min. service temp. of 450°C	90mm by 45mm or larger	49		
<b>PRT60SiD / PRTL60SiD</b> 	46	42	LB	60/60/60	1 layer of 16mm one side, & 1 layer of 16mm plus 1 layer of 13mm other side	R2.5 & 450 rays or better		54		
<b>PRTSiE / PRTLSiE</b> 	47	41		-/-	1 layer of 10mm one side & 1 layer of 13mm plus 1 layer of 6.5mm on other side	R2.0 Glasswool or Polyester Blanket		40		
<b>PRT30SiF / PRTL30SiF</b> 	47	41		30/30/30	1 layer of 13mm one side & 1 layer of 10mm plus 1 layer of 6.5mm on other side			40		
<b>PRT60SiF / PRTL60SiF</b> 	49	45		(60)/60/60	1 layer of 13mm plus 1 layer of 6.5mm on each side			53		
<b>PRT60SiG / PRTL60SiG</b> 	49	45			1 layer of 16mm Fiberock & 1 layer of 10mm Plasterboard on each side			56		
<b>PRT30SiA / PRTL30SiA</b> 	54	44		(30)/30/30	1 layer of 13mm each side			90mm by 45mm stud and 2 each of 70 by 45 top & bottom plates	40	
<b>PRT60SiA / PRTL60SiA</b> 	56	47		(60)/60/60	1 layer of 16mm each side			90mm by 45mm stud and 2 each of 70 by 45 top & bottom plates	50	
<b>PRT30DoA / PRTL30DoA</b> 	56	49		(30)/30/30	1 layer of 13mm each side			90mm by 45mm or larger	47	
<b>PRT60DoA</b> 	58	51		NLB	-/60/60				1 layer of 16mm on one side & 2 layers of 13mm on other side	63mm mineral wool with min. service temp. of 450°C
<b>PRT60DoB / PRTL60DoB</b> 	58	52		LB	(60)/60/60		1 layer of 16mm each side		R2.0 Glasswool or Polyester Blanket	52

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<b>PRT30StB / PRTL30StB</b> 	61	50	LB	(30)/30/30	1 layer of 13mm on one side & 2 layers of 13mm on other side	R2.0 Glasswool or Polyester Blanket	90mm by 45mm stud and 2 each of 70 by 45 top & bottom plates	59
<b>PRT60StB / PRTL60StB</b> 	61	52	LB	(60)/60/60	1 layer of 16mm one side & 1 layer each of 16mm and 13mm other side	R2.0 Glasswool or Polyester Blanket	90mm by 45mm stud and 2 each of 70 by 45 top & bottom plates	63
<b>PRT30DoB / PRTL30DoB</b> 	62	54		(30)/30/30	1 layer of 13mm one side & 2 layers of 13mm other side		90mm by 45mm or larger	60
<b>PRT60StC</b> 	64	55		NLB	-/60/60		1 layer each of 16mm Fiberock and 10mm plasterboard each side	90mm by 45mm stud and 2 each of 70 by 45 top & bottom plates
<b>PRT60DoC / PRTL60DoC</b> 	65	58	LB	(60)/60/60	1 layer of 16mm one side & 2 layers of 16mm other side	R2.0 Glasswool or Polyester Blanket	90mm by 45mm or larger	67
<b>PRT60DoD / PRTL60DoD</b> 	66	58			1 layer each of 16mm Fiberock and 10mm plasterboard each side			66
<b>PRT90StB</b> 	67	56	NLB	-/90/90	2 layers of 13mm each side	63mm mineral wool with min. service temp. of 450°C		73
<b>PRT90StA / PRTL90StA</b> 	67	57	LB	(90)/90/90	1 layer each of 13mm and 16mm on each side	R2.0 Glasswool or Polyester Blanket	90mm by 45mm stud and 2 each of 70 by 45 top & bottom plates	76
<b>PRT120StA</b> 	69	59	NLB	-/120/120	2 layers of 16mm each side			80

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<b>PRT90DoA</b> 	69	61	NLB	-/90/90	2 layers of 13mm on each side	63mm mineral wool with min. service temp. of 450°C	90mm by 45mm or larger	74
<b>PRT90DoB</b> 	69	62	NLB	-/90/90	1 layer each of 13mm and 16mm on each side	R2.0 Glasswool or Polyester Blanket	90 by 45mm or larger	79
<b>PRT120DoA</b> 	71	64		-/120/120	2 layers of 16mm on each side			83