

	Supports	Phonotech Panels	Sound reduction indices					R (dB) per octave band (Hz)							Thermal properties		Physical properties	
			Rw (C,Ctr) (dB)	Rw (dB)	RA (dB)	RA,Tr (dB)	AlphaAbsorption w	63	125	250	500	1000	2000	4000	Thermal resistance (m².K/W)	U (W/m².K)	Weight (kg/m²)	Length (mm)
ROOFINGS																		
1. Wooden support																		
<i>Our standards :</i>																		
Phonotech W-Base	Wooden framing + Chipboard 19mm	/	28 (-1 ; -2)	28	27	26	/	21,4	18,6	22,7	26,9	30,7	26,1	31,7	0,27	3,68	12,45	19
Phonotech W-DK40	Wooden framing + Chipboard 19mm	DK 40	48 (-4 ; -11)	48	44	37	/	24,5	22,0	39,1	54,4	59,5	60,0	67,9	1,54	0,65	31,52	91
Phonotech W-DK60	Wooden framing + Chipboard 19mm	DK 60	49 (-4 ; -11)	49	45	38	/		23,0	39,0	55,0	61,0	60,0	70,0	2,11	0,47	32,73	101
Phonotech W-DK80	Wooden framing + Chipboard 19mm	DK 80	51 (-5 ; -12)	51	46	39	/	24,5	24,7	41,5	54,8	60,6	63,7	70,5	2,68	0,37	34,21	121
Phonotech W-DK100	Wooden framing + Chipboard 19mm	DK100	53 (-4 ; -11)	53	49	42	/		27,0	43,0	58,0	62,0	62,0	72,0	3,26	0,31	35,69	141
Phonotech W-DK120	Wooden framing + Chipboard 19mm	DK120	55 (-4 ; -11)	55	51	44	/		29,0	45,0	57,0	63,0	62,0	72,0	3,82	0,26	37,18	161
Phonotech W-DK140	Wooden framing + Chipboard 19mm	DK 140	56 (-3 ; -10)	56	53	46	/	27,6	31,2	47,2	57,2	62,0	65,5	71,8	4,39	0,23	38,66	181
Phonotech W-DK160	Wooden framing + Chipboard 19mm	DK 160	57 (-4 ; -11)	57	53	46	/		31,0	48,0	58,0	64,0	64,0	73,0	4,96	0,20	40,14	201
Phonotech W-DK180	Wooden framing + Chipboard 19mm	DK 180	57 (-4 ; -11)	57	53	46	/		32,0	48,0	58,0	64,0	64,0	73,0	5,54	0,18	41,63	221
Phonotech W-DK200	Wooden framing + Chipboard 19mm	DK 200	58 (-4 ; -11)	58	54	47	/		32,0	48,0	58,0	64,0	64,0	73,0	6,11	0,16	43,12	241
Phonotech W-DK220	Wooden framing + Chipboard 19mm	DK 220	58 (-4 ; -10)	58	54	48	/	28,5	33,3	48,9	57,7	61,8	65,4	72,4	6,68	0,15	43,45	261
<i>Wooden roofing covered with tiles:</i>																		
Phonotech W-TI-Base	Wooden framing + Chipboard 19mm	roofing underlayment + lathing and tiles	24 (-0 ; -1)	24	24	23	/	/	18,0	21,0	23,0	23,0	24,0	/	0,27	3,68	54,27	99
Phonotech W-DK40-TI	Wooden framing + Chipboard 19mm	roofing underlayment + lathing and tiles	45 (-4 ; -11)	45	41	34	/	/	20,0	37,6	53,6	58,8	56,7	/	1,54	0,65	73,34	171
Phonotech W-FC12-DK40-TI	Wooden framing + Chipboard 19mm + Fiber cement th. 12mm	roofing underlayment + lathing and tiles	46 (-3 ; -10)	46	43	36	/	/	20,8	35,3	45,2	49,9	53,0	61,2	1,61	0,62	85,76	183
Phonotech W-FC16-DK40-TI	Wooden framing + Chipboard 19mm + Fiber cement th. 16mm	roofing underlayment + lathing and tiles	51 (-3 ; -9)	51	48	42	/	/	29,0	40,6	52,6	57,8	58,7	/	1,64	0,61	89,90	187
Phonotech W-DK60-TI	Wooden framing + Chipboard 19mm	roofing underlayment + lathing and tiles	47 (-5 ; -12)	47	42	35	/	/	21,2	41,5	54,7	58,3	56,6	/	2,11	0,47	74,55	181
Phonotech W-FC12-DK60-TI	Wooden framing + Chipboard 19mm + Fiber cement th. 12mm	roofing underlayment + lathing and tiles	49 (-3 ; -9)	49	46	40	/	/	26,4	38,7	46,2	51,1	54,1	61,8	2,18	0,46	86,97	193
Phonotech W-FC16-DK60-TI	Wooden framing + Chipboard 19mm + Fiber cement th. 16mm	roofing underlayment + lathing and tiles	53 (-3 ; -9)	53	50	44	/	/	30,2	44,5	53,7	57,3	58,6	/	2,21	0,45	91,11	197
Phonotech W-DK80-TI	Wooden framing + Chipboard 19mm	roofing underlayment + lathing and tiles	49 (-5 ; -11)	49	44	38	/	/	23,8	41,5	54,7	58,3	56,6	/	2,68	0,37	76,03	201
Phonotech W-FC12-DK80-TI	Wooden framing + Chipboard 19mm + Fiber cement th. 12mm	roofing underlayment + lathing and tiles	49 (-2 ; -6)	49	47	43	/	/	31,1	38,7	46,5	50,7	53,9	61,4	2,75	0,36	88,45	213
Phonotech W-FC16-DK80-TI	Wooden framing + Chipboard 19mm + Fiber cement th. 16mm	roofing underlayment + lathing and tiles	54 (-3 ; -8)	54	51	46	/	/	32,8	44,5	53,7	57,3	58,6	/	2,78	0,36	92,59	217
<i>Our made to measure :</i>																		
Phonotech W-MP-CP-DK220DF	Wooden framing + Multiplex 22mm + CETRIS 16mm + Chipboard 22mm	DK 220 Double Foam	59 (-2 ; -6)	59	57	53	/	32,7	42,2	47,6	55,8	59,5	64,4	69,0	6,89	0,15	81,81	302
2. Perforated sheets support 90/500																		
<i>Our standards :</i>																		
Phonotech TP90-Base	Sheet 90/500 + Panolene cladding + Chipboard 22mm	/	39 (-2 ; -7)	39	37	32	1,00	22,5	20,6	26,4	36,9	43,1	41,1	47,8	2,54	0,39	24,05	112
Phonotech TP90-DK40	Sheet 90/500 + Panolene cladding + Chipboard 22mm	DK 40	50 (-4 ; -12)	50	46	38	1,00	23,8	23,4	41,2	61,4	68,1	65,0	70,8	3,81	0,26	43,12	184
Phonotech TP90-DK60	Sheet 90/500 + Panolene cladding + Chipboard 22mm	DK 60	52 (-6 ; -13)	52	46	39	1,00		24,0	44,0	62,0	67,0	66,0	77,0	4,38	0,23	44,33	194
Phonotech TP90-DK80	Sheet 90/500 + Panolene cladding + Chipboard 22mm	DK 80	53 (-4 ; -11)	53	49	42	1,00	22,3	26,9	43,6	64,0	68,6	67,2	72,0	4,95	0,20	45,81	214
Phonotech TP90-DK100	Sheet 90/500 + Panolene cladding + Chipboard 22mm	DK100	57 (-7 ; -15)	57	50	42	1,00		27,0	50,0	65,0	69,0	68,0	78,0	5,53	0,18	47,29	234
Phonotech TP90-DK120	Sheet 90/500 + Panolene cladding + Chipboard 22mm	DK120	59 (-5 ; -12)	59	54	47	1,00	24,7	31,7	50,3	65,0	69,7	70,2	74,9	6,09	0,16	48,78	254
Phonotech TP90-DK140	Sheet 90/500 + Panolene cladding + Chipboard 22mm	DK 140	60 (-4 ; -11)	60	56	49	1,00	25,1	34,1	51,5	65,2	70,4	71,3	74,7	6,66	0,15	50,29	274
Phonotech TP90-DK160	Sheet 90/500 + Panolene cladding + Chipboard 22mm	DK 160	61 (-7 ; -15)	61	54	46	1,00		31,0	55,0	66,0	71,0	71,0	80,0	7,23	0,14	51,74	294
Phonotech TP90-DK180	Sheet 90/500 + Panolene cladding + Chipboard 22mm	DK 180	61 (-6 ; -14)	61	55	47	1,00		32,0	55,0	67,0	71,0	71,0	81,0	7,81	0,13	53,23	314
Phonotech TP90-DK200	Sheet 90/500 + Panolene cladding + Chipboard 22mm	DK 200	62 (-7 ; -15)	62	55	47	1,00		32,0	56,0	67,0	71,0	71,0	81,0	8,38	0,12	54,72	334
Phonotech TP90-DK220	Sheet 90/500 + Panolene cladding + Chipboard 22mm	DK 220	62 (-5 ; -11)	62	57	51	1,00	25,9	35,8	54,8	66,6	70,5	73,1	76,4	8,95	0,11	55,05	354
<i>Our made to measure :</i>																		
Phonotech TP90-DK140-PB	Sheet 90/500 + Panolene cladding + Chipboard 22mm	DK 140 + Chipboard 22mm	64 (-5 ; -11)	64	59	53	1,00	27,0	38,2	53,6	65,8	70,6	73,0	75,4	6,79	0,15	64,67	296
Phonotech TP90-DK140K-UArena	U-Arena		83 (-2 ; -9)	83	81	74	1,00	42,6	59,2	72,3	83,4	93,4	95,6	94,8	13,86	0,07	116,00	1170
Phonotech TP90-DK140K-UArena Bis	U-Arena BIS		82 (-6 ; -14)	82	76	68	1,00	39,4	53,3	71,9	82,1	87,7	94,6	95,3	13,73	0,07	101,60	1148
Phonotech TP90-DK80S-Lille	Sheet 90/500 + Panolene cladding LV 90mm + Chipboard 22mm	DK 80 + geotextile + PVC 1,2 mm	55 (-5 ; -12)	55	50	43	0,70	/	28,0	44,7	58,2	64,1	68,9	73,4	5,07	0,20	47,71	217
Phonotech TP90-RW-DK80S	Sheet 90/500 + Panolene cladding LR 100mm + Panolene cladding LR 60mm + Chipboard 22mm	DK 80 + geotextile + PVC 1,2 mm	56 (-3 ; -8)	56	53	48		26,4	34,4	44,0	56,4	60,5	62,6	68,2	6,70	0,15	70,09	287
Phonotech TP90-RW-DK80-PB	Sheet 90/500 + Panolene cladding LR 100mm + Panolene cladding LR 60mm + Chipboard 22mm	DK 80 + Chipboard 22mm	58 (-2 ; -7)	58	56	51		27,3	38,6	45,7	57,1	61,2	62,1	67,8	6,83	0,15	82,60	306
2.2 Sheets support 10/10																		
<i>Our standards :</i>																		
Phonotech T90-Base	Sheet 90/500 + Insulation + Chipboard 22mm	/	44 (-3 ; -10)	44	41	34	/	23,1	19,1	37,3	46,2	47,7	43,6	51,0	2,94	0,34	30,70	112
Phonotech T90-DK80	Sheet 90/500 + Insulation + Chipboard 22mm	DK 80	57 (-8 ; -16)	57	49	41	/	22,6	25,4	51,9	63,7	65,1	65,3	72,9	5,35	0,19	52,45	214

	Supports	Phonotech Panels	Sound reduction indices					R (dB) per octave band (Hz)							Thermal properties		Physical properties	
			Rw (C,Ctr) (dB)	Rw (dB)	RA (dB)	RA,Tr (dB)	AlphaAbsorption w	63	125	250	500	1000	2000	4000	Thermal resistance (m².K/W)	U (W/m².K)	Weight (kg/m²)	Length (mm)
Phonotech T90-DK140	Sheet 90/500 + Insulation + Chipboard 22mm	DK 140	63 (-7 ; -15)	63	56	48	/	21,3	33,0	54,9	65,4	67,1	69,8	78,2	7,06	0,14	56,90	274
	<i>Our made to measure :</i>																	
Phonotech T90-DK140-PB	Sheet 90/500 + Insulation + Chipboard 22mm	DK 140 + Chipboard 22mm	64 (-5 ; -13)	64	59	51	/	23,9	36,1	56,2	65,8	67,0	70,3	78,4	7,19	0,14	71,31	296
Phonotech T90-DK140-PB-S	Sheet 90/500 + Insulation + Chipboard 22mm	DK 140 + Chipboard 22mm + PVC	65 (-6 ; -13)	65	59	52	/	24,4	36,7	56,1	65,4	67,3	71,4	79,5	7,19	0,14	73,21	299
	2.3 Perforated sheets 15% + cruised corrugated steel sheet																	
Phonotech TP90-SD34-DK80	Perforated tray 90/500 + Insulation + Corrugated steel sheet 34 SR + particle board 22mm	DK 80	54 (-4 ; -10)	54	50	44	1,00	25,5	29,6	44,0	63,1	67,9	69,1	73,7				
	2.4 Perforated sheet + cleat spacer																	
TP90-E400-DK140-S	Perforated tray 90/500 + Glasswool 90mm+ Polyethylene Vapor Barrier + Felt insulation bardage 100mm + Felt insulation bardage 80mm + Cleat spacer 400mm + Sigma purlins 140mm + Corrugated steel sheet 10/10 + Particle board CTBH 22mm P5 + Acoustic panel Phonotech DK140 + Geotextile + PVC Membrane 15G	DK 140 + PVC	68 (-5 ; -12)	68	63	56	1,00	25,7	40,9	59,1	69,3	72,4	75,5	80,2			68,10	643
TP90-E400-DK140-PB	Perforated tray 90/500 + Glasswool 90mm+ Polyethylene Vapor Barrier + Felt insulation bardage 100mm + Felt insulation bardage 80mm + Cleat spacer 400mm + Sigma purlins 140mm + Corrugated steel sheet 10/10 + Particle board CTBH 22mm P5 + Acoustic panel Phonotech DK140 + Geotextile + PVC Membrane 15G + Particle board CTBH 22mm P5	DK 140 + Chipboard 22mm	70 (-4 ; -12)	70	66	58	1,00	25,4	43,6	60,9	69,8	73,0	75,3	79,6			80,40	662
TP90-E400-DK140	Perforated tray 90/500 + Glasswool 90mm+ Polyethylene Vapor Barrier + Felt insulation bardage 100mm + Felt insulation bardage 80mm + Cleat spacer 400mm + Sigma purlins 140mm + Corrugated steel sheet 75/100 + Particle board CTBH 22mm P5 + Phonotech DK140	DK 140	68 (-6 ; -13)	68	62	55	1,00	24,1	39,6	59,0	70,3	72,7	75,0	81,1			63,40	640
TP90-E260-DK140-S	Perforated tray 90/500 + Glasswool 90mm+ Polyethylene Vapor Barrier + Felt insulation bardage 100mm + Felt insulation bardage 80mm + Cleat spacer 260mm + Sigma purlins 140mm + Corrugated steel sheet 75/100 + Particle board CTBH 22mm P5 + Phonotech DK140 + Geotextile + PVC Membrane 15G	DK 140 + PVC	67 (-7 ; -16)	67	60	51	1,00	24,0	36,2	59,6	69,9	72,8	75,8	81,6			67,60	503
TP90PB-E400-DK140	Perforated tray 90/500 + Glasswool 90mm + Particle Board + Bitumen vapor barrier + Stonewool 200mm + Cleat spacer 400mm + Sigma purlins 140mm + Corrugated Steel Sheet 10/10 + Particle board 22mm + Phonotech DK140	DK 140	70 (-2 ; -9)	70	68	61	1,00	33,5	47,1	60,8	69,8	72,8	75,8	81,6			87,60	640
TP-90PB-E400-DK140-PBS	Perforated tray 90/500 + Glasswool 90mm + Particle Board + Bitumen vapor barrier + Stonewool 200mm + Cleat spacer 400mm + Sigma purlins 140mm + Corrugated Steel Sheet 10/10 + Particle board 22mm + Phonotech DK140 + Particle board 22mm + Geotextile + PVC membrane 15G	DK 140 + Chipboard 22mm + PVC	70 (-2 ; -8)	70	68	62	1,00	34,9	48,3	59,9	70,1	72,8	76,7	82,4			104,10	665
	3. Perforated sheets support 160/600																	
	<i>Our standards :</i>																	
Phonotech TP160-Base	Sheet 160/600 + Cavitec 032B + Chipboard 22mm	/	46 (-3 ; -8)	46	43	38	0,95	25,5	24,5	34,8	48,6	53,9	48,6	52,9	5,30	0,19	28,53	182
Phonotech TP160-DK40	Sheet 160/600 + Cavitec 032B + Chipboard 22mm	DK 40	54 (-5 ; -13)	54	49	41	0,95	25,0	25,7	49,2	66,5	70,1	70,2	74,4	6,56	0,15	47,60	254
Phonotech TP160-DK60	Sheet 160/600 + Cavitec 032B + Chipboard 22mm	DK 60	56 (-6 ; -13)	56	50	43	0,95		28,0	49,0	64,0	71,0	69,0	78,0	7,13	0,14	48,81	264
Phonotech TP160-DK80	Sheet 160/600 + Cavitec 032B + Chipboard 22mm	DK 80	58 (-5 ; -13)	58	53	45	0,95	23,4	30,2	51,1	66,9	70,7	73,2	76,6	7,70	0,13	50,29	284
Phonotech TP160-DK120	Sheet 160/600 + Cavitec 032B + Chipboard 22mm	DK120	63 (-7 ; -15)	63	56	48	0,95		33,0	56,0	66,0	72,0	71,0	80,0	8,84	0,11	53,26	324
Phonotech TP160-DK140	Sheet 160/600 + Cavitec 032B + Chipboard 22mm	DK 140	64 (-6 ; -14)	64	58	50	0,95	26,0	35,5	56,5	66,4	70,3	72,9	77,7	9,41	0,11	54,74	344
Phonotech TP160-DK160	Sheet 160/600 + Cavitec 032B + Chipboard 22mm	DK 160	65 (-7 ; -15)	65	58	50	0,95		35,0	57,0	66,0	72,0	71,0	80,0	9,98	0,10	56,22	364
Phonotech TP160-DK180	Sheet 160/600 + Cavitec 032B + Chipboard 22mm	DK 180	65 (-6 ; -14)	65	59	51	0,95		36,0	57,0	66,0	72,0	71,0	80,0	10,56	0,10	57,71	384
Phonotech TP160-DK200	Sheet 160/600 + Cavitec 032B + Chipboard 22mm	DK 200	65 (-6 ; -14)	65	59	51	0,95		36,0	57,0	66,0	72,0	71,0	80,0	11,53	0,09	59,20	404
Phonotech TP160-DK220	Sheet 160/600 + Cavitec 032B + Chipboard 22mm	DK 220	65 (-6 ; -13)	65	59	52	0,95	24,8	36,9	57,7	66,3	70,3	72,9	76,6	11,70	0,09	59,53	424
	<i>Our made to measure :</i>																	
Phonotech TP160-DK80DF	Sheet 160/600 + Cavitec 032B + Chipboard 22mm	DK 80 double foam	61 (-5 ; -13)	61	56	48	0,95	26,3	33,5	54,2	67,7	70,8	73,2	76,8	7,74	0,13	50,53	304
Phonotech TP160-FC-DK80	Sheet 160/600 + Cavitec 032B + Fibrociment 18mm	DK 80	59 (-5 ; -13)	59	54	46	0,95	24,9	31,1	53,0	66,7	70,2	70,6	75,1	7,63	0,13	57,64	280
Phonotech TP160-DK80S-Lille	Sheet 160/600 + Panolene cladding LV 90mm + Chipboard 22mm	DK 80 + geotextile + PVC 1,2 mm	55 (-5 ; -12)	55	50	43	0,70	/	28,0	44,7	58,2	64,1	68,9	73,4	5,07	0,20	47,71	217
	4. Corrugated steel sheets support 106mm																	
	<i>Our standards :</i>																	
Phonotech SD106-Base	TAN 106mm + Chipboard 22mm	/	35 (-1 ; -5)	35	34	30	/	22,4	18,9	26,1	32,2	39,8	35,1	44,0	0,29	3,45	21,31	128

			Sound reduction indices					R (dB) per octave band (Hz)							Thermal properties		Physical properties	
	Supports	Phonotech Panels	Rw (C,Ctr) (dB)	Rw (dB)	RA (dB)	RA,Tr (dB)	AlphaAbsorption w	63	125	250	500	1000	2000	4000	Thermal resistance (m².K/W)	U (W/m².K)	Weight (kg/m²)	Length (mm)
Phonotech SD106-DK40	TAN 106mm + Chipboard 22mm	DK 40	51 (-4 ; -12)	51	47	39	/	23,7	24,2	41,8	56,8	62,0	60,5	66,8	1,56	0,64	43,38	200
Phonotech SD106-DK60	TAN 106mm + Chipboard 22mm	DK 60	52 (-3 ; -9)	52	49	43	/	29,0	40,0	56,0	62,0	61,0	69,0	2,70	0,37	44,59	210	
Phonotech SD106-DK80	TAN 106mm + Chipboard 22mm	DK 80	54 (-5 ; -12)	54	49	42	/	23,5	27,2	44,0	57,7	63,1	64,0	70,0	3,28	0,30	46,07	230
Phonotech SD106-DK100	TAN 106mm + Chipboard 22mm	DK100	56 (-4 ; -9)	56	52	47	/	33,0	44,0	59,0	64,0	63,0	71,0	3,84	0,26	47,55	250	
Phonotech SD106-DK120	TAN 106mm + Chipboard 22mm	DK120	58 (-4 ; -10)	58	54	48	/	35,0	46,0	60,0	65,0	64,0	72,0	4,41	0,23	49,04	270	
Phonotech SD106-DK140	TAN 106mm + Chipboard 22mm	DK 140	59 (-4 ; -10)	59	55	49	/	25,6	34,0	49,7	59,6	64,4	67,3	74,3	4,00	0,25	50,52	290
Phonotech SD106-DK160	TAN 106mm + Chipboard 22mm	DK 160	59 (-3 ; -9)	59	56	50	/	36,0	48,0	61,0	66,0	65,0	73,0	4,98	0,20	52,00	310	
Phonotech SD106-DK180	TAN 106mm + Chipboard 22mm	DK 180	59 (-3 ; -9)	59	56	50	/	36,0	48,0	61,0	66,0	65,0	73,0	5,56	0,18	53,49	330	
Phonotech SD106-DK200	TAN 106mm + Chipboard 22mm	DK 200	59 (-3 ; -9)	59	56	50	/	36,0	48,0	61,0	66,0	65,0	73,0	6,13	0,16	54,98	350	
Phonotech SD106-DK220	TAN 106mm + Chipboard 22mm	DK 220	59 (-3 ; -9)	59	56	50	/	24,5	35,1	50,5	60,2	63,9	67,1	74,8	6,70	0,15	55,31	370
<i>Our made to measure :</i>																		
Phonotech SDP150-RW-PB-DK180-PB	TAN perforated 150mm + Rockwool Rinox 100mm + Chipboard 22mm + Chipboard 22mm	DK 180 + Chipboard 22mm	59 (-1 ; -6)	59	58	53	/	25,4	40,7	47,5	58,3	61,6	64,7	70,5	8,32	0,12	97,64	518
5. Concrete sheets support																		
<i>Flat roof made of concrete covered with Bitumenn:</i>																		
Phonotech C100-Base	Basic roofing		40(-1;-2)	40	39	38	/	34,5	32,0	36,0	40,0	44,0						104
Phonotech C100-DK40B	Concrete sheets 100mm + vapor barrier	DK40 + Bitumen	64(-2;-7)	64	62	57	/	44,7	51,0	64,7	78,8	80,9		1,48	0,68	28,23	176	
Phonotech C100-DK60B	Concrete sheets 100mm + vapor barrier	DK60 + Bitumen	67(-2;-7)	67	65	60	/	47,7	54,5	71,7	83,0	79,4		2,05	0,49	29,44	186	
Phonotech C100-DK80B	Concrete sheets 100mm + vapor barrier	DK80 + Bitumen	69(-2;-7)	69	67	62	/	49,7	57,0	69,7	82,0	82,9		2,62	0,36	31,00	206	
CEILING																		
<i>Our standards :</i>																		
Phonotech CC-Base	Concrete roof th. 100mm		40 (-1 ; -2)	40	39	38	/	34,5	32,0	36,0	40,0	44,0						100
2. Wooden support																		
Phonotech C-W-Base	Wooden beam 70x170 mm + Chipboard 19mm		24(-0;-1)	24	24	23	/	18,0	21,0	23,0	23,0	24,0						19
Phonotech C-W-PH40-FG	Wooden beam 70x170 mm + Chipboard 19mm	PH40 + Gypsum board 12,5mm	47(-4;-11)	47	43	36	/	22,6	39,9	50,8	55,2	55,6		1,510	0,66	47,85	84	
Phonotech C-W-.....	Wooden beam 70x170 mm + Chipboard 19mm + 12,5mm plaster	PH40 + Gypsum board 12,5mm					/	25,1	42,9	51,8	55,2	57,6						
Phonotech C-W-FG-PH40-FG	Wooden beam 70x170 mm + Chipboard 19mm + Gypsum board	PH40 + Gypsum board 12,5mm	51(-4;-10)	51	57	41	/	27,6	42,9	50,1	54,4	57,6		1,590	0,63	58,31	96,5	
Phonotech C-W-PL40-G	Wooden beam 70x170 mm + Chipboard 19mm	ISOTON PL40 + plaster 12,5mm	47 (-4 ; -11)	47	43	36	/	21,1	37,5	49,9	54,8	55,3						
Phonotech	Wooden beam 70x170 mm + Chipboard 19mm	ISOTON PL40 + plaster plus 12,5mm	48 (-4 ; -10)				/											
Phonotech C-W-PH60-FG	Wooden beam 70x170 mm + Chipboard 19mm	PH60 + Gypsum board 12,5mm	48(-4;-11)	48	44	37	/	23,8	40,1	50,4	54,9	57,7		2,080	0,48	48,65	104	
Phonotech C-W-.....	Wooden beam 70x170 mm + Chipboard 19mm + 12,5mm plaster	PH60 + Gypsum board 12,5mm					/	26,3	43,1	51,4	54,9	57,7						
Phonotech C-W-FG-PH60-FG	Wooden beam 70x170 mm + Chipboard 19mm + Gypsum board	PH60 + Gypsum board 12,5mm	51(-3;-9)	51	48	42	/	28,8	43,1	49,7	54,1	56,0		2,140	0,47	57,15	116,5	
Phonotech C-W-CP-PH60-FG	Wooden beam 70x170 mm + Chipboard 19mm + plaster-wood	PH60 + Gypsum board 12,5mm	51(-3;-9)	51	48	42	/	29,3	43,1	49,4	53,9	55,7		2,150	0,47	70,25	116	
Phonotech C-W-PH80-FG	Wooden beam 70x170 mm + Chipboard 19mm	PH80 + Gypsum board 12,5mm	51(-5;-11)	51	46	40	/	26,4	43,8	51,9	54,7	55,5		2,660	0,38	49,45	124	
Phonotech C-W-.....	Wooden beam 70x170 mm + Chipboard 19mm + 12,5mm plaster	PH80 + Gypsum board 12,5mm					/	28,9	46,8	52,9	54,7	57,5						
Phonotech C-W-FG-PH80-FG	Wooden beam 70x170 mm + Chipboard 19mm + Gypsum board	PH80 + Gypsum board 12,5mm	53(-3;-8)	53	50	45	/	31,4	46,8	51,2	53,9	57,5		2,720	0,37	57,95	136,5	
Phonotech C-W-CP-PH80-FG	Wooden beam 70x170 mm + Chipboard 19mm + plaster-wood	PH80 + Gypsum board 12,5mm	53(-3;-8)	53	50	45	/	31,9	46,8	50,9	53,7	57,5		2,720	0,37	71,05	136	
3. Wooden support covered by roof tiles																		
<i>Our standards :</i>																		
Phonotech C-W-TI-Base	Wooden beams 70x170 + Chipboard 19mm	underlayment + lathing and tiles	25(-0;-3)	25	25	22	/	14,0	15,0	22,0	27,0	31,0		1,510	0,66	89,67	75	
Phonotech C-W-PH40-FG-TI	Wooden beams 70x170 + Chipboard 19mm	PH40 + Gypsum board 12,5mm + underlayment + lathing and tiles	42(-4;-11)	42	38	31	/	17,6	35,4	49,3	52,7	53,8		1,570	0,64	98,17	87,5	
Phonotech C-W-G-PH40-FG-TI	Wooden beams 70x170 + Chipboard 19mm + plaster 12,5mm	PH40 + Gypsum board 12,5mm + underlayment + lathing and tiles	45(-4;-11)	45	41	34	/	20,1	38,4	50,3	52,7	55,8		1,570	0,64	98,17	87,5	
Phonotech C-W-FG-PH40-FG-TI	Wooden beams 70x170 + Chipboard 19mm + Gypsum board 12,5mm	PH40 + Gypsum board 12,5mm + underlayment + lathing and tiles	46(-3;-10)	46	43	36	/	22,6	38,4	48,6	51,9	55,8		1,580	0,63	111,27	87,5	
Phonotech C-W-CP-PH40-FG-TI	Wooden beams 70x170 + Chipboard 19mm + plaster-wood 12mm	PH40 + Gypsum board 12,5mm + underlayment + lathing and tiles	47(-4;-10)	47	43	37	/	23,1	38,4	48,3	51,7	55,8					85	
Phonotech C-W-PH60-FG-TI	Wooden beams 70x170 + Chipboard 19mm	PH60 + Gypsum board 12,5mm + underlayment + lathing and tiles	43(-4;-10)	43	39	33	/	18,8	35,6	48,9	52,4	55,9		2,080	0,48	90,47	97,5	
Phonotech C-W-G-PH60-FG-TI	Wooden beams 70x170 + Chipboard 19mm + plaster 12,5mm	PH60 + Gypsum board 12,5mm + underlayment + lathing and tiles	46(-4;-11)	46	42	35	/	21,3	38,6	49,9	52,4	55,9		2,140	0,47	98,97	97,5	
Phonotech C-W-FG-PH60-FG-TI	Wooden beams 70x170 + Chipboard 19mm + Gypsum board 12,5mm	PH60 + Gypsum board 12,5mm + underlayment + lathing and tiles	47(-4;-10)	47	43	37	/	23,8	38,6	48,2	51,6	54,2		2,140	0,47	98,97	97,5	
Phonotech C-W-CP-PH60-FG-TI	Wooden beams 70x170 + Chipboard 19mm + plaster-wood 12mm	PH60 + Gypsum board 12,5mm + underlayment + lathing and tiles	47(-3;-9)	47	44	38	/	24,3	38,6	47,9	51,4	53,9		2,150	0,47	112,07		
Phonotech C-W-PH80-FG-TI	Wooden beams 70x170 + Chipboard 19mm	PH80 + Gypsum board 12,5mm + underlayment + lathing and tiles	46(-4;-11)	46	42	35	/	21,4	39,3	50,4	52,2	53,7		2,660	0,38	91,27	117,5	
Phonotech C-W-G-PH80-FG-TI	Wooden beams 70x170 + Chipboard 19mm + plaster 12,5mm	PH80 + Gypsum board 12,5mm + underlayment + lathing and tiles	49(-5;-11)	49	44	38	/	23,9	42,3	51,4	52,2	55,7		2,720	0,37	99,77	117,5	
Phonotech C-W-FG-PH80-FG-TI	Wooden beams 70x170 + Chipboard 19mm + Gypsum board 12,5mm	PH80 + Gypsum board 12,5mm + underlayment + lathing and tiles	49(-3;-9)	49	46	40	/	26,4	42,3	49,7	51,4	55,7		2,720	0,37	99,77	117,5	
Phonotech C-W-CP-PH80-FG-TI	Wooden beams 70x170 + Chipboard 19mm + plaster-wood 12mm	PH80 + Gypsum board 12,5mm + underlayment + lathing and tiles	49(-3;-9)	49	46	40	/	26,9	42,3	49,4	51,2	55,7		2,720	0,37	112,87		
WALLS																		

	Supports	Phonotech Panels	Sound reduction indices					R (dB) per octave band (Hz)							Thermal properties		Physical properties	
			Rw (C,Ctr) (dB)	Rw (dB)	RA (dB)	RA,Tr (dB)	AlphaAbsorption w	63	125	250	500	1000	2000	4000	Thermal resistance (m².K/W)	U (W/m².K)	Weight (kg/m²)	Length (mm)
1. Wooden walls																		
<i>Our standards :</i>																		
Phonotech WW-Base	Chipboard 19mm on wood support	/	24(-0;-1)	24	24	23	/	18,0	21,0	23,0	23,0	24,0	/				19	
Phonotech WW-PH40-FG	Chipboard 19mm on wood support	PH40 + Gypsum board 12,5mm	47(-4;-11)	47	43	36	/	22,6	39,9	50,8	55,2	55,6	/	1,510	0,66	47,85	84	
Phonotech WW-FG-PH40-FG	Chipboard 19mm on wood support + Gypsum board 12,5mm	PH40 + Gypsum board 12,5mm	51(-4;-10)	51	47	41	/	27,6	42,9	50,1	54,4	57,6	/	1,590	0,63	58,31	96,5	
Phonotech WW-CP-PH40-FG	Chipboard 19mm on wood support + plaster-wood 12mm	PH40 + Gypsum board 12,5mm	51(-4;-10)	51	47	41	/	28,1	42,9	49,8	54,2	57,6	/	1,580	0,63	69,45	96	
Phonotech WW-PH60-FG																		
Phonotech WW-PH60-FG	Chipboard 19mm on wood support	PH60 + Gypsum board 12,5mm	48(-4;-11)	48	44	37	/	23,8	40,1	50,4	54,9	57,7	/	2,080	0,48	48,65	104	
Phonotech WW-FG-PH60-FG	Chipboard 19mm on wood support + Gypsum board 12,5mm	PH60 + Gypsum board 12,5mm	51(-3;-9)	51	48	42	/	28,8	43,1	49,7	54,1	56,0	/	2,140	0,47	57,15	116,5	
Phonotech WW-CP-PH60-FG	Chipboard 19mm on wood support + plaster-wood 12mm	PH60 + Gypsum board 12,5mm	51(-3;-9)	51	48	42	/	29,3	43,1	49,4	53,9	55,7	/	2,150	0,47	70,25	116	
Phonotech WW-PH80-FG																		
Phonotech WW-PH80-FG	Chipboard 19mm on wood support	PH80 + Gypsum board 12,5mm	51(-5;-11)	51	46	40	/	26,4	43,8	51,9	54,7	55,5	/	2,660	0,38	49,45	124	
Phonotech WW-FG-PH80-FG	Chipboard 19mm on wood support + Gypsum board 12,5mm	PH80 + Gypsum board 12,5mm	53(-3;-8)	53	50	45	/	31,4	46,8	51,2	53,9	57,5	/	2,720	0,37	57,95	136,5	
Phonotech WW-CP-PH80-FG	Chipboard 19mm on wood support + plaster-wood 12mm	PH80 + Gypsum board 12,5mm	53(-3;-8)	53	50	45	/	31,9	46,8	50,9	53,7	57,5	/	2,720	0,37	71,05	136	
2. Concrete walls 10cm (200kg/m²)																		
<i>Our standards :</i>																		
Phonotech WB100-Base	Concrete block divider 100mm	/	40(-1;-2)	40	39	38	/	34,5	32,0	36,0	40,0	44,0	/				100	
Phonotech WB100-PH40-FG	Concrete block divider 100mm	PH40 + Gypsum board 12,5mm	63(-2;-8)	63	61	55	/	42,3	51,8	62,9	74,4	80,0	/	1,400	0,71	35,40	165	
Phonotech WB100-PH60-FG	Concrete block divider 100mm	PH60 + Gypsum board 12,5mm	66(-2;-8)	66	64	58	/	45,3	55,3	69,9	78,9	82,5	/	1,970	0,51	36,20	185	
Phonotech WB100-PH80-FG	Concrete block divider 100mm	PH80 + Gypsum board 12,5mm	68(-2;-8)	68	66	60	/	47,3	57,8	67,9	77,9	82,0	/	2,540	0,39	37,00	205	
3. Concrete walls 20cm (400kg/m²)																		
<i>Our standards :</i>																		
Phonotech WB200-Base	Concrete block divider 200mm	/	53(-2;-6)	53	51	47	/	36,6	41,3	49,3	57,0	63,1	/				200	