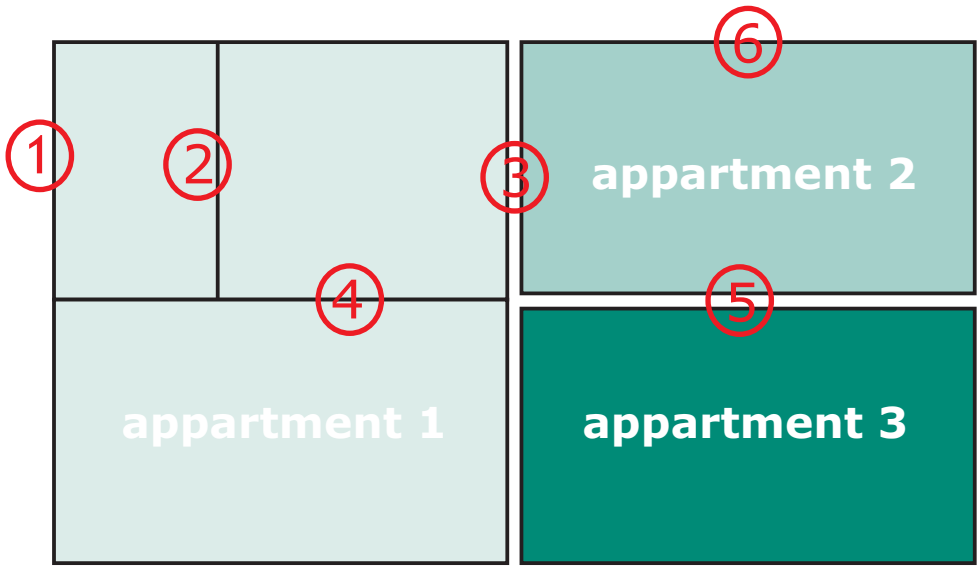
BBS superstructures



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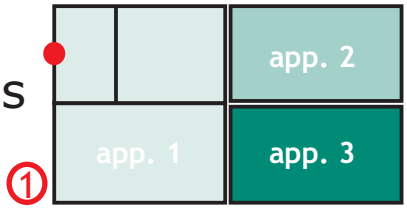
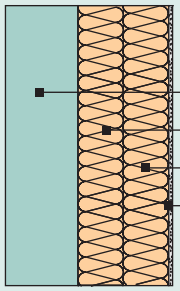
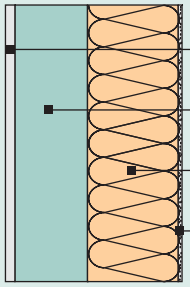
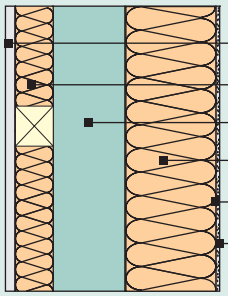
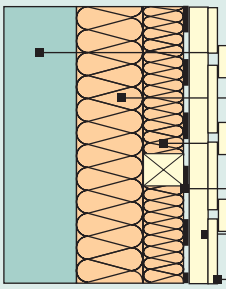
BBS superstructures



BINDER HOLZ

exterior wall	construction design [mm]	[material]	thickness [mm]	R´w [dB]	value U [W/m2K]
	102	BBS | spruce	266	47 calculated	0,20 calculated
	80	soft wood fibre (HWF)			
	80	soft wood fibre (HWF)			
	4	exterior plaster			
	10	gypsum fibre planking	227	49 calculated	0,32 calculated
	102	BBS | spruce			
	100	multiply wood fibre facade panel (WM-MW-WW)			
	15	fine rendering			
	12,5	gypsum fibre planking	280,5	46 tested SM 440	0,20 calculated
	40	Heralan TW 40			
	102	BBS | spruce			
	120	Heralan PTP			
	4	Sto levelling mortar			
	2	Sto Prep Mineral + Sto Sil			
	102	BBS | spruce	282	51 calculated	0,23 calculated
	80	mineral wool [0,040; R ≥ 70]			
	50	mineral wool [0,040; R ≥ 70]			
		permeable membrane			
	30	facade panel | spruce			
	20	facade			

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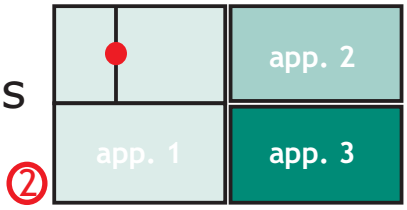
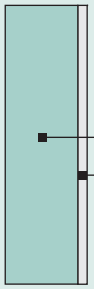
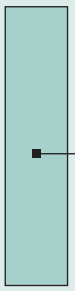
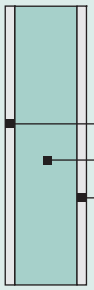
BBS superstructures



BINDER HOLZ

interior wall	construction design [mm]	[material]	thickness [mm]	R´w [dB]
	102 15	BBS | spruce gypsum fibre planking	117	>38 calculated
	81	BBS | spruce	81	>34 calculated
	15 81 15	gypsum fibre planking BBS | spruce gypsum fibre planking	111	>36 calculated

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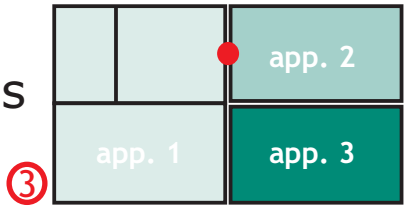
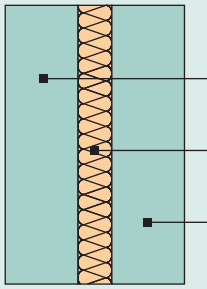
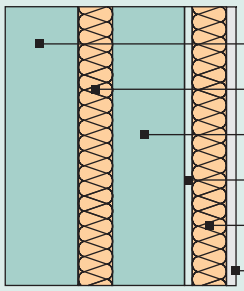
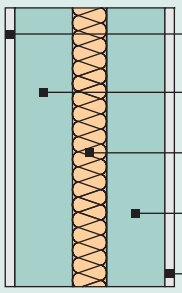
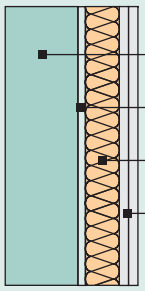
BBS superstructures



BINDER HOLZ

dividing wall	construction design [mm]	[material]	thickness [mm]	DnT,w [dB]	R´w [dB]
	102 45 102	BBS | spruce TWKF 50 [Isover] BBS | spruce	249	57 tested EN ISO 717-1	56 tested EN ISO 717-1
	102 45 102 5 50 2x12,5	BBS | spruce TWKF 50 [Isover] BBS | spruce air TWKF 50 [Isover] gypsum fibre planking	329	67 tested EN ISO 717-1	66 tested EN ISO 717-1
	15 81 50 81 15	gypsum fibre planking BBS | spruce TWKF 50 [Isover] BBS | spruce gypsum fibre planking	242	≥57	**≥57**
	163 10 50 2x12,5	BBS | larch air TWKF 50 [Isover] gypsum fibre planking	248	56 geprüft EN ISO 717-1	

construction project Mühlweg

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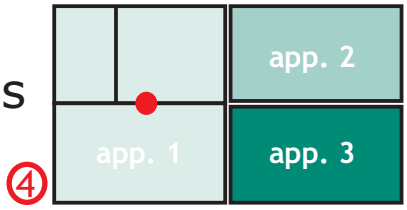
CE

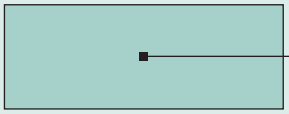
BBS superstructures



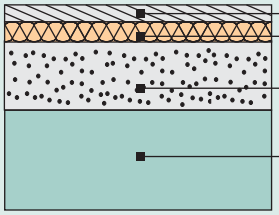
BINDER HOLZ

ceiling

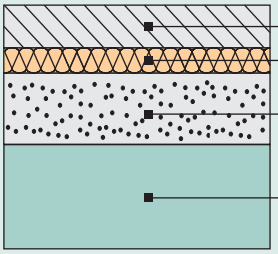
construction design [mm]	[material]	thickness [mm]



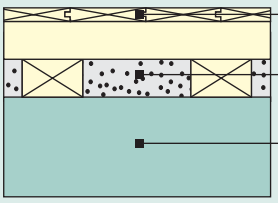
143	BBS	143



25	Rigidur paving element	268
30	TPT 30/30	
70	Styrobeton (light concrete)	
143	BBS	



60	cement screed	308
35	TPS 35	
70	Styrobeton (light concrete)	
143	BBS	



18	planks	261
100	bulk load cross-lattices	
143	BBS	

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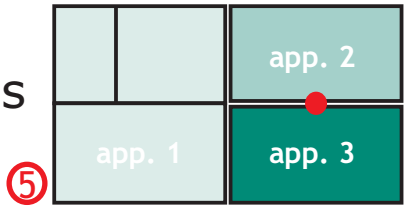
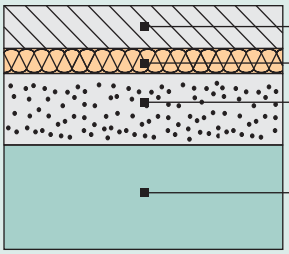
BBS superstructures

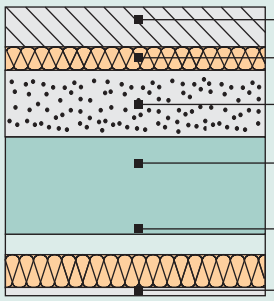


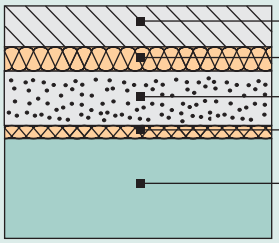
BINDER HOLZ

dividing ceiling

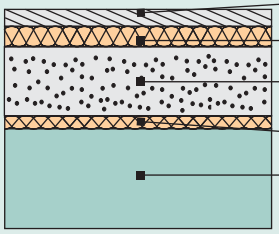
construction design [mm]	[material]	thickness [mm]	L´nT,w [dB]	R´w [dB]	DnT,w [dB]
					
60	cement pavement	338	46 tested EN ISO 717-2	65 tested EN ISO 717-1	64 tested EN ISO 717-1
35	TPS 35 [Heralan]				
100	stone chippings [>1.300 kg/m³]				
143	BBS | spruce				

construction project Mühlweg

					
60	cement pavement	430,5	39 tested EN ISO 717-2	69 tested EN ISO 717-1	68 tested EN ISO 717-1
35	TPS 35 [Heralan]				
100	stone chippings [>1.300 kg/m³]				
143	BBS | spruce				
80	suspension with 50mm TWKF 50 [Isover]				
12,5	gypsum fibre planking				

					
60	cement pavement	333	45 tested EN ISO 717-2	> 55 tested EN ISO 717-1	> 55 tested EN ISO 717-1
30	TDP impact sound insulation				
80	stone chipping heavy				
20	TDP impact sound insulation				
143	BBS | spruce				

construction project Schützengasse

					
25	Rigidur paving element	318	44 tested EN ISO 717-2	57 tested EN ISO 717-1	56 tested EN ISO 717-1
30	TPT 30/30 [Heralan]				
100	stone chippings [>1.300 kg/m³]				
20	TPT 20/20 [Heralan]				
143	BBS | larch top layer at the bottom spruce				

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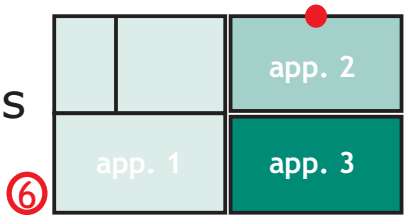
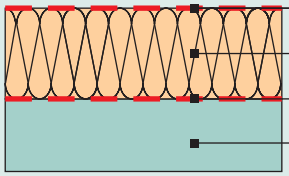
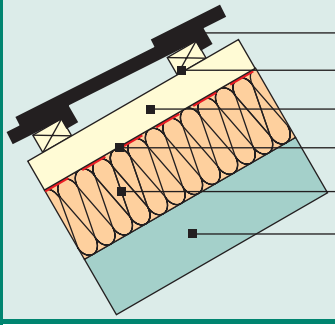
BBS superstructures



BINDER HOLZ

roof	construction design [mm]	[material]	thickness [mm]	value U [W/m2K]
	1,25	waterproofed roofing roll	304,5	0,17 calculated
	200	mineral wool		
	1,25	vapour barrier		
	102	BBS | spruce		
		roof tile	382	0,17 calculated
	30/50	planking		
	50/80	counter lathing		
		sarking membrane		
	200	soft wood fibre [HWF]		
	102	BBS | spruce		

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