

Final construction	U-value original brick wall average is 500 mm 150 insulation 10 mm plaster $U = 0.20 \text{ W/m}^2$	Moisture cover the insulation with plaster	Sound $R = 55 \text{ dB}$ (airborne sound) Full fit class C	Fire $R_{120} A_{2-s1}$	600 mm brick wall (loadbearing)
				$R_{160} A_{2-s1}, D_0$	240 mm brick wall (separating)
			120 mm steel profile with mineral wool	$R_{E160} A_{2-s1}, D_0$	120, 200, 250 mm brick wall
120 mm brick wall			45 mm steel profile with mineral wool	$R_{E160} A_{2-s1}, D_0$	120, 200, 250 mm brick wall
120 mm steel frame with insulation in between 2x 12,5 mm GNF 13 Normal Ergo 45 mm steel frame with insulation 2x 12,5 mm GNF 13 Normal Ergo			2x 12,5 mm GNF 13 Normal Ergo wool insulation in between 2x 12,5 mm GNF 13 Normal Ergo	$R_{E160} A_{2-s1}, D_0$	120, 200 mm
2x 12,5 GNF 13 Normal Ergo 70 mm steel profile with mineral wool in between 10 mm air gap 130 mm brick wall			2x 12,5 mm GNF 13 Normal Ergo 10 mm steel profile with mineral wool insulation in between 10 mm air gap	$R_{E160} A_{2-s1}, D_0$	30 mm brick wall
2x 12,5 mm plaster board (normal) 170 mm steel frame with insulation in between 2x 12,5 plaster board (normal)			2x 12,5 mm plaster board 66 mm steel frame 2x 12,5 mm plaster board	R_{E160} 2x 12,5 mm plaster board (normal) 170 mm steel frame, U 450/ 30 mm parol extra	
2x 12,5 mm plaster board 66 mm steel frame 2x 12,5 mm plaster board					