

Building Constructions I.		Construction plan, brick bond - walling	
BME Faculty of Architecture Department of Building Constructions		brick/ walling block sizes	

M	#	course height	external wall	size length/ width (wall thickness)/ height	party wall (between two dwellings)	size length/ width (wall thickness)/ height	internal loadbearing wall	size length/ width (wall thickness)/ height
			$U \leq 0,24 \text{ W/m}^2\text{K}$		$R'_w + C \geq 54 \text{ dB}$			
TRADITIONAL MORTAR	1	7,5 cm	38 cm solid standard brick	12/25/6,5	38 cm solid standard brick	12/25/6,5	25 cm solid standard brick	12/25/6,5
	2	15 cm	25 cm B25 walling block	17,5/25/14 Berényi Tégla	38 cm double brick size block	12/25/14	25 cm B25 walling block	17,5/25/14 Berényi Tégla
	3	15 cm	30 cm B30 walling block	17/30/14 Berényi Tégla	38 cm standard brick size block	12/25/6,5 Leiertherm	30 cm B30 walling block	17/30/14 Berényi Tégla
	4	15 cm	38 cm HB38 19/14 N+F	19/38/14 Berényi Tégla	38 cm double brick size block	12/25/14	25 cm Uniform 25/14 walling block	19/25/14 Berényi Tégla
	5	20 cm	25 cm Uniform 25/19	19/25/19 Berényi Tégla	25 cm SILKA calcium silicate block	24,8/25/19,9 Silka HM 250; Xella	25 cm Uniform 25/19 walling block	19/25/19 Berényi Tégla
	6	20 cm	30 cm B30/19 walling block	17/30/19 Berényi Tégla	30 cm SILKA calcium silicate block	33,3/30/19,9 Silka HML 300; Xella	30 cm B30/19 walling block	17/30/19 Berényi Tégla
	7	20 cm	38 cm HB38 19/19 N+F	19/38/19 Berényi Tégla	30 cm SILKA calcium silicate block	33,3/30/19,9 Silka HML 300; Xella	30 cm Uniform walling block	19/30/19 Berényi Tégla
	8	25 cm	30 cm HB-30 walling block	24/30/24 Mályi	25 cm Leiertherm 25/30 AKU MD	26/30/23,8 Leier	30 cm HB30 walling block	24/30/24 Mályi
	9	25 cm	30 cm PTH 30 N+F	25/30/23,8 Wienerberger	30 cm PTH AKU Z		30 cm PTH 30 N+F walling block	25/30/23,8 Wienerberger
	10	25 cm	30 cm Leiertherm 30 N+F	25/30/23,8 Leier	30 cm Leiertherm 25/30 AKU MD	26/30/23,8 Leier	25 cm Leiertherm 25 N+F w.block	37,5/25/23,8 Leier
THIN C. M. OR GLUE	11	20,2 cm	30 cm Ytong Classic 30 cm	30/60/19,9	25 cm SILKA calcium silicate block	24,8/25/19,9 Silka HM 250; Xella	30 cm Ytong Classic 30 cm	30/60/19,9
	12	25 cm	30 cm PTH 30 N+F K PROFI	25/30/24,9 Wienerberger	20 cm MACUPHON 20	24,7/20/23,8 Wienerberger	25 cm PTH 25 N+F PROFI w.block	37,5/25/24,9 Wienerberger