

MORTAR THICKNESS SPECIFICATION CHART ACCORDING TO THE REQUIRED FIRE RESISTANCE AND THE PROFILE'S SECTION FACTOR

Valid chart for 500 °C design temperature on steel pursuant to UNE ENV 13381-4.

OPEN SECTION BEAMS AND PILARS					CLOSED SECTION BEAMS AND PILARS				
TEST RESULTS UNDER THE EN 13381-4 STANDARD AND CLASSIFICACION UNDER THE EN 13501-2 STANDARD					TEST RESULTS UNDER THE EN 13381-4 STANDARD AND CLASSIFICACION UNDER THE EN 13501-2 STANDARD				
Mass (m ⁻¹)	R30 min	R60 min	R90 min	R120 min	R 90 min	R30 min	R60 min	R90 min	R120 min
58	10	10	11	21	58	10	10	12	22
70	10	10	16	25	70	10	10	19	27
80	10	10	18	27	80	10	10	20	30
90	10	11	20	29	90	10	12	22	32
100	10	12	22	31	100	10	13	24	34
110	10	14	23	32	110	11	15	25	36
120	10	15	24	33	120	11	16	27	37
130	10	16	25	34	130	11	18	28	39
140	10	16	26	35	140	11	19	29	40
150	10	17	26	36	150	11	20	30	41
160	10	18	27	36	160	11	20	31	42
170	10	18	28	37	170	11	21	32	43
180	10	19	28	37	180	11	22	33	44
190	10	19	28	38	190	11	23	34	45
200	10	19	29	38	200	12	23	35	46
210	10	20	29	39	210	13	24	35	47
220	11	20	29	39	220	13	24	36	47
230	11	20	30	39	230	13	25	37	48
240	11	21	30	39	240	14	26	37	49
250	11	21	30	40	240	14	26	37	49
260	12	21	30	40	260	15	26	38	50
270	12	21	31	40	270	15	27	38	50
280	12	21	31	40	280	15	27	39	50
290	12	22	31	40	290	15	27	39	50
300	12	22	31	41	300	15	27	39	51
310	13	22	31	41	310	16	27	39	51
320	13	22	31	41	320	16	28	39	51
330	13	22	32	41	330	16	28	40	51
340	13	22	32	41	340	16	28	40	51
350	13	22	32	41	350	16	28	40	52
360	13	23	32	41	360	16	28	40	52
370	13	23	32	41	370	17	28	40	52
380	13	23	32	42	380	17	28	40	52
390	13	23	32	42	390	17	29	40	52
400	14	23	32	42	400	17	29	40	52
410	14	23	33	42	410	17	29	41	52
420	14	23	33	42	420	17	29	41	52
430	14	23	33	42	430	17	29	41	52
440	14	23	33	42	440	17	29	41	52
505	14	24	33	43	505	18	30	41	52

The information in this chart appears in the characteristics report under file 08/32302469.