

Ariile profilelor EURO m²/m

UNP	
80	0.312
100	0.372
120	0.434
140	0.489
160	0.546
180	0.611
200	0.661
220	0.718
240	0.775
260	0.834
280	0.890
300	0.950
320	0.982
350	1.050
380	1.110
400	1.180

T	
30	0.114
35	0.113
40	0.153
50	0.191
60	0.229
70	0.268
80	0.307
100	0.454
120	0.511
140	0.537

IPE	
80	0.328
100	0.400
120	0.475
140	0.551
160	0.623
180	0.698
200	0.768
220	0.848
240	0.922
270	1.040
300	1.160
330	1.250
360	1.350
400	1.470
450	1.610
500	1.740
550	1.880
600	2.010

INP	
80	0.304
100	0.370
120	0.439
140	0.502
160	0.575
180	0.640
200	0.709
220	0.775
240	0.844
260	0.906
280	0.966
300	1.030
320	1.090
340	1.150
360	1.210
380	1.270
400	1.330
450	1.480
500	1.630
550	1.800

	HEA	HEB	HEM
100	0.561	0.567	0.619
120	0.677	0.686	0.738
140	0.794	0.805	0.857
160	0.906	0.918	0.970
180	1.020	1.040	1.090
200	1.140	1.150	1.200
220	1.260	1.270	1.320
240	1.370	1.380	1.460
260	1.480	1.500	1.570
280	1.600	1.620	1.690
300	1.720	1.730	1.830
320	1.760	1.770	1.870
340	1.790	1.810	1.900
360	1.830	1.850	1.930
400	1.910	1.930	2.000
450	2.010	2.030	2.100
500	2.110	2.120	2.180
550	2.210	2.220	2.280
600	2.310	2.320	2.370
650	2.410	2.420	2.470
700	2.500	2.520	2.560
800	2.700	2.710	2.750
900	2.900	2.910	2.930
1000	3.100	3.110	3.130

Cornier egal	
20	0.077
25	0.097
30	0.116
35	0.136
40	0.155
45	0.174
50	0.194
55	0.213
60	0.233
65	0.252
70	0.272
75	0.291
80	0.311
90	0.351
100	0.390
110	0.430
120	0.469
130	0.508
140	0.547
150	0.586
160	0.625
180	0.705
200	0.785
250	0.983

Cornier inegal	
30x20	0.097
40x20	0.117
25	0.127
45x30	0.146
50x30	0.156
40	0.177
60x30	0.175
40	0.195
65x50	0.225
70x50	0.235
75x50	0.244
55	0.254
80x40	0.234
60	0.273
65	0.283
90x60	0.294
100x50	0.292
65	0.321
75	0.341
120x80	0.391
125x75	0.391
130x65	0.381
90	0.430
135x65	0.391
150x75	0.441
90	0.470
100	0.489
160x80	0.469
180x90	0.528
200x100	0.587
150	0.687
250x90	0.687

Ariile profilelor in m²/m

= Suprafetele de sablare / grunduire

= Suprafata profilului U perimetrata in m²

(pentru determinarea factorului U/A pentru calculul protectiei la foc)

Cu cat este mai mic factorul U/A se pot utiliza sisteme de protectie la foc mai subtiri pentru a asigura aceeasi clasa de protectie la foc.

Profile tubulare patrate

	la cald	la rece
40x2		0.153
3	0.152	0.150
4	0.150	0.146
50x2		0.193
3	0.192	0.190
4	0.190	0.186
5		0.183
60x2		0.233
3	0.232	0.230
4	0.230	0.226
5	0.227	0.223
70x3	0.272	0.270
4	0.270	0.266
5	0.267	0.263
80x3		0.310
4	0.310	0.306
5	0.307	0.303
6.3	0.304	0.293
90x3		0.350
4	0.350	0.346
5	0.347	0.343
6.3	0.344	0.333
100x4	0.390	0.386
5	0.387	0.383
6.3	0.385	0.373
120x4		0.466
5	0.467	0.463
6.3	0.464	0.453
8	0.459	0.446
10	0.454	

la cald la rece

140x4		0.546
5	0.547	0.543
6.3	0.544	0.533
8	0.539	0.526
10	0.534	0.517
150x5	0.587	0.583
6.3	0.584	0.573
8	0.579	0.566
10	0.574	0.557
160x4		0.626
5		0.623
6.3	0.624	0.613
8	0.619	0.606
10	0.614	0.597
12.5	0.608	
180x6.3	0.704	0.693
8	0.699	0.686
10	0.694	0.677
12.5	0.688	0.656
200x6.3	0.784	0.773
8	0.779	0.766
10	0.774	0.757
12.5	0.768	0.656
220x6.3	0.864	
8	0.859	0.846
10	0.854	0.837
12.5	0.848	0.816
250x6.3	0.984	0.973
8	0.979	0.966
10	0.974	0.957
12.5	0.959	0.936

la cald la rece

260x8	1.020	1.010
10	1.010	0.997
12.5	1.010	0.976
16	0.999	
300x6.3		1.170
8	1.180	1.170
10	1.170	1.160
12.5	1.170	1.140
16	1.160	
350x8	1.380	1.370
10	1.370	1.360
12.5	1.370	1.340
16	1.360	
400x10	1.570	1.560
12.5	1.570	1.540
16	1.560	

Profile tubulare rotunde

33.7	0.106
42.4	0.133
48.3	0.152
60.3	0.189
76.1	0.239
88.9	0.279
101.6	0.319
114.3	0.359
139.7	0.439
168.3	0.529
177.8	0.559
193.7	0.609
219.1	0.688
244.5	0.768
273.0	0.858
323.9	1.020
355.6	1.120
406.4	1.280
457.0	1.440
508.0	1.600
610.0	1.920
711.0	2.230
762.0	2.390
813.0	2.550
914.0	2.870
1016.0	3.190
1067.0	3.350
1168.0	3.670
1219.0	3.830

Profile tubulare dreptunghiulare

	la cald	la rece
50x30x2		0.153
3	0.152	0.150
4	0.150	0.146
60x40x2		0.193
3	0.192	0.190
4	0.190	0.186
5		0.183
80x40x2		0.233
3	0.232	0.230
4	0.230	0.226
5	0.227	0.223
90x50x3	0.272	0.270
4	0.270	0.266
5	0.267	0.263
100x50x3		0.290
4	0.290	
5	0.287	0.283
6.3	0.284	
100x60x3		0.310
4	0.310	0.306
5	0.307	0.303
6.3	0.304	0.293
120x60x3		0.350
4	0.350	0.346
5	0.347	0.343
6.3	0.344	0.333
120x80x4	0.390	0.386
5	0.387	0.383
6.3	0.384	0.373
140x80x4	0.430	0.426
5	0.427	0.419
6.3	0.424	0.413

	la cald	la rece
150x100x4		0.486
5		0.483
6.3	0.484	0.473
8	0.479	0.466
10	0.474	
160x80x4		0.464
5	0.467	0.463
6.3	0.464	0.453
8	0.459	0.446
10	0.454	
180x100x5	0.547	0.543
6.3	0.544	0.533
8	0.539	0.526
10	0.534	0.517
200x100x6.3	0.584	0.573
8	0.579	0.566
10	0.574	0.557
12.5	0.568	
200x120x5		0.623
6.3	0.624	0.613
8	0.619	0.606
10	0.614	0.597
12.5	0.608	
250x150x6.3	0.784	0.773
8	0.779	0.766
10	0.774	0.757
12.5	0.768	0.736
260x180x6.3	0.864	
8	0.859	
10	0.854	
12.5	0.848	

	la cald	la rece
300x100x6.3		0.773
10		0.757
12.5		0.738
300x200x6.3	0.984	0.973
8	0.979	0.966
10	0.974	0.957
12.5	0.968	0.936
350x250x6.3		1.170
8	1.170	1.170
10	1.170	1.160
12.5	1.170	1.140
16	1.160	
400x200x8	1.180	1.170
10	1.170	1.160
12.5	1.170	1.140
16	1.160	
400x300x8		1.370
10		1.360
12.5		1.340
450x250x8	1.380	
10	1.380	
12.5	1.370	
16	1.360	
500x300x10	1.570	
12.5	1.570	
16	1.560	
20	1.550	

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Nota

Setul de date a fost colationat cu cea mai mare atentie. Pentru eventuale erori de redactare nu preluam nici o raspundere.