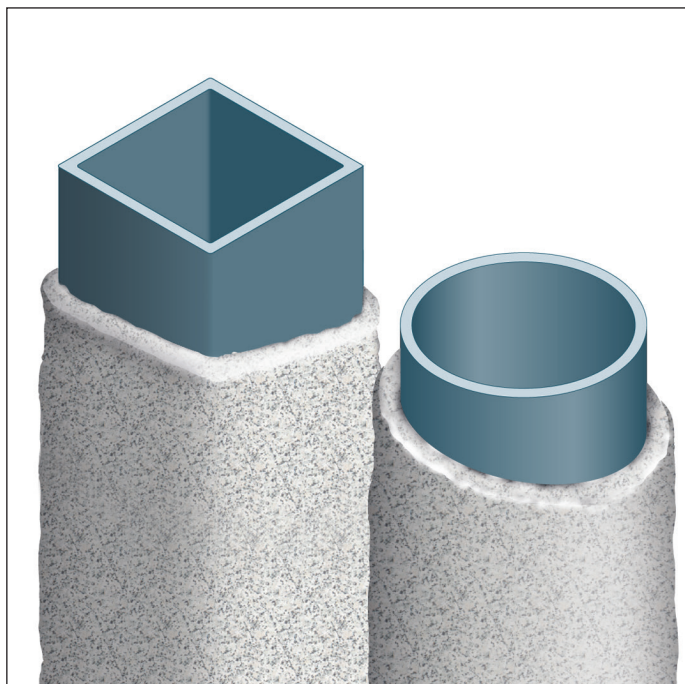


PROFILI CHIUSI IN ACCIAIO

**DESCRIZIONE DI CAPITOLATO**

Fornitura e posa in opera di protezione di profili chiusi in acciaio con resistenza al fuoco R 15/30/60/90/120/180/240 in classe di reazione al fuoco A1 realizzata con intonaco leggero F62 SUPER SPRAY premiscelato a base di gesso e leganti speciali con densità in polvere di 350 kg/m³ con applicazione a spruzzo. L'intonaco è privo di fibre.

REAZIONE AL FUOCO: A1**RESISTENZA AL FUOCO: R15-240**

- **Supporto:** profili chiusi in acciaio (quadri o tondi)
- **Rivestimento protettivo:** INTONACO F62 SUPER SPRAY (consultare l'Ufficio Tecnico)
- **Applicazione:** con intonacatrice meccanica
- **Finitura:** può essere verniciato con pitture di tipo acrilico o vinilico (non necessario ai fini antincendio)

Rapporto di classificazione: ETA 21/0693**Norma di prova: EN 13381-4**

Lo spessore della protezione sarà determinato in funzione del fattore di massa delle strutture e della temperatura critica richiesta dalle condizioni di carico in base a prove sperimentali condotte ai sensi della norma EN 13381-4.

Per le modalità di applicazione si veda apposito "manuale di posa".

PROFILI CHIUSI DI ACCIAIO CON 3 O 4 FACCE ESPOSTE

Spessore minimo (in millimetri) di intonaco F62 SUPER SPRAY in funzione della temperatura critica $\theta_{a,cr}$ 

TEMPERATURA CRITICA $\theta_{a,cr}$ 350°C								
Fattore di sezione	Classificazione di resistenza al fuoco							
(m ⁻¹)	R15	R30	R45	R60	R90	R120	R180	R240
68	10	10	10	10	11	16	27	---
70	10	10	10	10	11	16	27	---
80	10	10	10	10	12	17	28	---
90	10	10	10	10	13	19	29	---
100	10	10	10	10	13	20	30	---
110	10	10	10	11	14	21	32	---
120	11	11	11	11	15	23	33	---
130	11	11	11	11	16	24	34	---
140	11	11	11	12	16	26	35	---
150	11	11	11	12	17	27	36	---
160	11	11	11	12	18	28	37	---
170	11	11	11	13	19	29	38	---
180	11	11	11	13	20	30	40	---
190	11	11	11	13	20	30	41	---
200	11	11	11	14	21	31	---	---
210	11	11	11	14	22	31	---	---
220	11	11	11	14	23	32	---	---
230	12	12	12	15	23	32	---	---
240	12	12	12	15	24	33	---	---
250	12	12	13	16	24	34	---	---
260	12	12	13	16	25	34	---	---
270	12	12	13	16	25	34	---	---
280	12	12	13	16	26	34	---	---
290	12	12	14	17	26	35	---	---
300	12	12	14	17	26	35	---	---
310	12	12	14	17	27	35	---	---
320	12	12	14	17	27	36	---	---
330	12	12	15	18	27	36	---	---
340	12	12	15	18	28	36	---	---
350	12	12	15	18	28	37	---	---
360	12	12	15	19	28	37	---	---
370	12	12	15	19	29	37	---	---
380	12	12	16	19	29	38	---	---
390	12	12	16	19	29	38	---	---
400	12	12	16	20	30	38	---	---
410	12	12	16	20	30	39	---	---
420	12	12	17	20	30	39	---	---
430	12	12	17	20	31	39	---	---
440	12	12	17	21	31	39	---	---
450	12	12	17	21	31	40	---	---
460	12	12	18	21	32	40	---	---
470	12	12	18	22	32	40	---	---
475	12	12	18	22	32	40	---	---

TEMPERATURA CRITICA $\theta_{a,cr}$ 500°C								
Fattore di sezione	Classificazione di resistenza al fuoco							
(m ⁻¹)	R15	R30	R45	R60	R90	R120	R180	R240
68	10	10	10	10	10	10	19	28
70	10	10	10	10	10	11	19	29
80	10	10	10	10	10	12	21	31
90	10	10	10	10	10	13	23	33
100	10	10	10	10	11	14	25	35
110	10	10	10	10	11	15	28	37
120	11	11	11	11	12	16	28	39
130	11	11	11	11	12	17	29	---
140	11	11	11	11	13	18	29	---
150	11	11	11	11	13	19	30	---
160	11	11	11	11	14	20	31	---
170	11	11	11	11	14	21	32	---
180	11	11	11	11	15	22	32	---
190	11	11	11	11	15	23	32	---
200	11	11	11	11	16	24	33	---
210	11	11	11	12	17	26	34	---
220	11	11	11	12	17	27	34	---
230	12	12	12	12	18	27	35	---
240	12	12	12	13	18	28	36	---
250	12	12	12	13	19	29	36	---
260	12	12	12	13	20	30	37	---
270	12	12	12	14	20	31	37	---
280	12	12	12	14	21	31	37	---
290	12	12	12	14	21	31	38	---
300	12	12	12	14	21	32	38	---
310	12	12	12	15	22	32	39	---
320	12	12	12	15	22	32	39	---
330	12	12	12	15	23	33	39	---
340	12	12	12	15	23	33	40	---
350	12	12	12	16	24	33	40	---
360	12	12	12	16	24	34	40	---
370	12	12	12	16	25	34	41	---
380	12	12	12	16	25	34	41	---
390	12	12	12	17	26	35	---	---
400	12	12	12	17	26	35	---	---
410	12	12	12	17	26	35	---	---
420	12	12	12	17	27	35	---	---
430	12	12	12	18	27	36	---	---
440	12	12	12	18	28	36	---	---
450	12	12	12	18	28	36	---	---
460	12	12	13	18	29	37	---	---
470	12	12	13	19	29	37	---	---
475	12	12	13	19	29	37	---	---

PROFILI CHIUSI DI ACCIAIO CON 3 O 4 FACCE ESPOSTE

Spessore minimo (in millimetri) di intonaco F62 SUPER SPRAY in funzione della temperatura critica $\theta_{a,cr}$ 

TEMPERATURA CRITICA $\theta_{a,cr}$ 550°C								
Fattore di sezione	Classificazione di resistenza al fuoco							
(m ⁻¹)	R15	R30	R45	R60	R90	R120	R180	R240
68	10	10	10	10	10	10	17	25
70	10	10	10	10	10	10	17	26
80	10	10	10	10	10	10	19	28
90	10	10	10	10	10	11	21	30
100	10	10	10	10	10	12	23	32
110	10	10	10	10	10	13	25	34
120	11	11	11	11	11	14	27	36
130	11	11	11	11	11	15	28	39
140	11	11	11	11	12	16	29	41
150	11	11	11	11	12	17	29	---
160	11	11	11	11	13	18	30	---
170	11	11	11	11	13	19	31	---
180	11	11	11	11	14	20	31	---
190	11	11	11	11	14	21	32	---
200	11	11	11	11	15	22	33	---
210	11	11	11	11	15	23	33	---
220	11	11	11	11	16	24	34	---
230	12	12	12	12	16	25	34	---
240	12	12	12	12	17	25	35	---
250	12	12	12	12	17	27	36	---
260	12	12	12	12	18	27	36	---
270	12	12	12	12	18	28	37	---
280	12	12	12	12	19	28	37	---
290	12	12	12	12	19	29	37	---
300	12	12	12	13	19	29	38	---
310	12	12	12	13	20	30	38	---
320	12	12	12	13	20	31	38	---
330	12	12	12	14	21	31	39	---
340	12	12	12	14	21	32	39	---
350	12	12	12	14	22	32	40	---
360	12	12	12	14	22	32	40	---
370	12	12	12	15	23	32	40	---
380	12	12	12	15	23	33	41	---
390	12	12	12	15	24	33	41	---
400	12	12	12	16	24	33	---	---
410	12	12	12	16	25	34	---	---
420	12	12	12	16	25	34	---	---
430	12	12	12	16	26	34	---	---
440	12	12	12	17	26	35	---	---
450	12	12	12	17	27	35	---	---
460	12	12	12	17	27	35	---	---
470	12	12	12	17	28	36	---	---
475	12	12	12	18	28	36	---	---

TEMPERATURA CRITICA $\theta_{a,cr}$ 600°C								
Fattore di sezione	Classificazione di resistenza al fuoco							
(m ⁻¹)	R15	R30	R45	R60	R90	R120	R180	R240
68	10	10	10	10	10	10	15	22
70	10	10	10	10	10	10	15	22
80	10	10	10	10	10	10	17	25
90	10	10	10	10	10	11	19	28
100	10	10	10	10	10	11	20	29
110	10	10	10	10	10	12	22	31
120	11	11	11	11	11	13	24	33
130	11	11	11	11	11	13	26	35
140	11	11	11	11	11	14	28	37
150	11	11	11	11	11	15	29	39
160	11	11	11	11	12	16	29	40
170	11	11	11	11	12	17	30	---
180	11	11	11	11	13	17	31	---
190	11	11	11	11	13	18	31	---
200	11	11	11	11	14	19	32	---
210	11	11	11	11	14	20	32	---
220	11	11	11	11	14	21	33	---
230	12	12	12	12	15	22	34	---
240	12	12	12	12	15	22	34	---
250	12	12	12	12	16	23	35	---
260	12	12	12	12	16	23	35	---
270	12	12	12	12	17	24	36	---
280	12	12	12	12	17	24	36	---
290	12	12	12	12	17	25	37	---
300	12	12	12	12	18	25	37	---
310	12	12	12	12	18	26	37	---
320	12	12	12	12	18	26	38	---
330	12	12	12	12	19	27	38	---
340	12	12	12	12	19	27	38	---
350	12	12	12	12	19	28	39	---
360	12	12	12	13	20	29	39	---
370	12	12	12	13	20	29	40	---
380	12	12	12	13	20	29	40	---
390	12	12	12	13	21	30	40	---
400	12	12	12	14	21	30	41	---
410	12	12	12	14	22	31	41	---
420	12	12	12	14	22	31	41	---
430	12	12	12	15	23	32	---	---
440	12	12	12	15	23	32	---	---
450	12	12	12	15	24	32	---	---
460	12	12	12	16	25	33	---	---
470	12	12	12	16	25	33	---	---
475	12	12	12	16	25	33	---	---

PROFILI CHIUSI DI ACCIAIO CON 3 O 4 FACCE ESPOSTE

Spessore minimo (in millimetri) di intonaco F62 SUPER SPRAY in funzione della temperatura critica $\theta_{a,cr}$ 

TEMPERATURA CRITICA $\theta_{a,cr}$ 650°C								
Fattore di sezione	Classificazione di resistenza al fuoco							
(m ⁻¹)	R15	R30	R45	R60	R90	R120	R180	R240
68	10	10	10	10	10	10	13	20
70	10	10	10	10	10	10	14	20
80	10	10	10	10	10	10	15	23
90	10	10	10	10	10	10	17	26
100	10	10	10	10	10	10	18	28
110	10	10	10	10	10	11	20	29
120	11	11	11	11	11	12	22	30
130	11	11	11	11	11	12	23	30
140	11	11	11	11	11	13	25	31
150	11	11	11	11	11	14	27	32
160	11	11	11	11	11	14	29	33
170	11	11	11	11	11	15	29	34
180	11	11	11	11	12	16	30	35
190	11	11	11	11	12	17	30	36
200	11	11	11	11	13	17	31	38
210	11	11	11	11	13	18	31	39
220	11	11	11	11	13	19	32	40
230	12	12	12	12	14	19	33	41
240	12	12	12	12	14	20	33	---
250	12	12	12	12	15	21	34	---
260	12	12	12	12	15	22	34	---
270	12	12	12	12	15	22	34	---
280	12	12	12	12	16	22	35	---
290	12	12	12	12	16	23	35	---
300	12	12	12	12	16	23	35	---
310	12	12	12	12	17	23	36	---
320	12	12	12	12	17	24	36	---
330	12	12	12	12	17	24	36	---
340	12	12	12	12	18	24	36	---
350	12	12	12	12	18	25	37	---
360	12	12	12	12	18	25	37	---
370	12	12	12	12	19	25	37	---
380	12	12	12	12	19	26	38	---
390	12	12	12	12	19	26	38	---
400	12	12	12	12	20	26	38	---
410	12	12	12	12	20	27	39	---
420	12	12	12	12	20	27	39	---
430	12	12	12	12	21	27	39	---
440	12	12	12	12	21	28	40	---
450	12	12	12	12	21	28	40	---
460	12	12	12	12	22	28	40	---
470	12	12	12	13	22	29	41	---
475	12	12	12	13	23	29	41	---

TEMPERATURA CRITICA $\theta_{a,cr}$ 700°C								
Fattore di sezione	Classificazione di resistenza al fuoco							
(m ⁻¹)	R15	R30	R45	R60	R90	R120	R180	R240
68	10	10	10	10	10	10	10	18
70	10	10	10	10	10	10	11	18
80	10	10	10	10	10	10	12	21
90	10	10	10	10	10	10	14	24
100	10	10	10	10	10	10	15	26
110	10	10	10	10	10	10	17	28
120	11	11	11	11	11	11	19	29
130	11	11	11	11	11	11	20	30
140	11	11	11	11	11	12	22	31
150	11	11	11	11	11	12	24	32
160	11	11	11	11	11	13	26	32
170	11	11	11	11	11	14	27	33
180	11	11	11	11	11	14	29	34
190	11	11	11	11	11	15	30	35
200	11	11	11	11	11	15	30	36
210	11	11	11	11	12	16	31	37
220	11	11	11	11	12	17	32	38
230	12	12	12	12	13	17	32	39
240	12	12	12	12	13	18	33	40
250	12	12	12	12	13	19	34	41
260	12	12	12	12	14	19	34	---
270	12	12	12	12	14	20	34	---
280	12	12	12	12	14	20	34	---
290	12	12	12	12	15	21	35	---
300	12	12	12	12	15	21	35	---
310	12	12	12	12	15	22	35	---
320	12	12	12	12	16	22	36	---
330	12	12	12	12	16	23	36	---
340	12	12	12	12	16	23	36	---
350	12	12	12	12	17	24	37	---
360	12	12	12	12	17	25	37	---
370	12	12	12	12	17	25	38	---
380	12	12	12	12	18	26	38	---
390	12	12	12	12	18	26	38	---
400	12	12	12	12	18	27	39	---
410	12	12	12	12	19	27	39	---
420	12	12	12	12	19	28	39	---
430	12	12	12	12	19	28	40	---
440	12	12	12	12	20	29	40	---
450	12	12	12	12	20	29	40	---
460	12	12	12	12	20	30	41	---
470	12	12	12	12	21	30	41	---
475	12	12	12	12	21	31	41	---

PROFILI CHIUSI DI ACCIAIO CON 3 O 4 FACCE ESPOSTE

Spessore minimo (in millimetri) di intonaco F62 SUPER SPRAY in funzione della temperatura critica $\theta_{a,cr}$ 

TEMPERATURA CRITICA $\theta_{a,cr}$ 750°C								
Fattore di sezione	Classificazione di resistenza al fuoco							
(m ⁻¹)	R15	R30	R45	R60	R90	R120	R180	R240
68	10	10	10	10	10	10	10	15
70	10	10	10	10	10	10	10	15
80	10	10	10	10	10	10	10	18
90	10	10	10	10	10	10	11	20
100	10	10	10	10	10	10	13	23
110	10	10	10	10	10	10	14	26
120	11	11	11	11	11	11	16	28
130	11	11	11	11	11	11	17	29
140	11	11	11	11	11	11	19	29
150	11	11	11	11	11	11	20	30
160	11	11	11	11	11	12	22	31
170	11	11	11	11	11	12	23	32
180	11	11	11	11	11	13	25	33
190	11	11	11	11	11	13	26	33
200	11	11	11	11	11	14	28	34
210	11	11	11	11	11	14	30	35
220	11	11	11	11	11	15	30	36
230	12	12	12	12	12	15	31	37
240	12	12	12	12	12	16	32	37
250	12	12	12	12	12	16	32	38
260	12	12	12	12	12	17	32	39
270	12	12	12	12	12	17	33	39
280	12	12	12	12	13	18	33	40
290	12	12	12	12	13	18	33	40
300	12	12	12	12	13	19	34	41
310	12	12	12	12	14	19	34	---
320	12	12	12	12	14	19	34	---
330	12	12	12	12	14	20	35	---
340	12	12	12	12	14	20	35	---
350	12	12	12	12	15	21	35	---
360	12	12	12	12	15	21	36	---
370	12	12	12	12	15	22	36	---
380	12	12	12	12	16	22	36	---
390	12	12	12	12	16	23	36	---
400	12	12	12	12	16	23	37	---
410	12	12	12	12	17	24	37	---
420	12	12	12	12	17	25	37	---
430	12	12	12	12	17	25	38	---
440	12	12	12	12	18	26	38	---
450	12	12	12	12	18	26	38	---
460	12	12	12	12	18	27	39	---
470	12	12	12	12	19	27	39	---
475	12	12	12	12	19	28	39	---