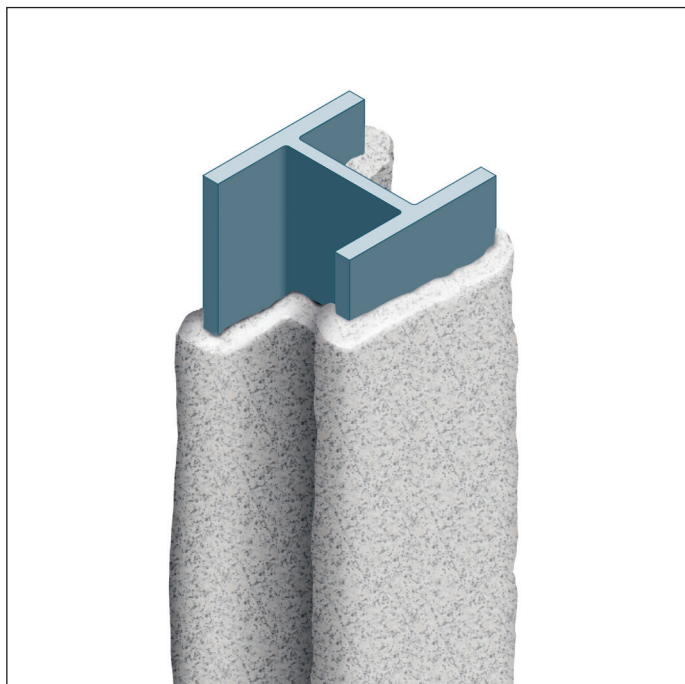


PILASTRI E TRAVI IN ACCIAIO

**DESCRIZIONE DI CAPITOLATO**

Fornitura e posa in opera di protezione di pilastri e travi 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:** pilastri e travi in acciaio
- **Rivestimento protettivo:** INTONACO F62 SUPER SPRAY (vedi tabelle)
- **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".

PILASTRI DI ACCIAIO CON 4 O MENO FACCE ESPOSTE

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

I L | PILASTRI

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	9	9	9	9	10	15	25	---
70	9	9	9	9	10	15	26	---
80	9	9	9	9	11	16	26	---
90	9	9	9	9	12	17	27	---
100	9	9	9	9	12	18	28	---
110	9	9	9	10	13	19	28	---
120	9	9	9	10	13	20	29	---
130	9	9	9	10	14	21	30	---
140	9	9	9	10	14	22	31	---
150	9	9	9	10	15	24	31	---
160	9	9	9	10	16	25	32	---
170	9	9	9	11	16	25	33	---
180	9	9	9	11	17	25	34	---
190	9	9	9	11	17	26	34	---
200	9	9	9	11	18	26	35	---
210	9	9	9	12	18	26	36	---
220	9	9	10	12	19	26	38	---
230	9	9	10	12	19	26	40	---
240	9	9	10	12	19	27	41	---
250	9	9	10	13	20	27	---	---
260	9	9	10	13	20	27	---	---
270	9	9	11	13	20	27	---	---
280	9	9	11	13	21	28	---	---
290	9	9	11	13	21	28	---	---
300	9	9	11	14	21	28	---	---
310	9	9	11	14	21	29	---	---
320	9	9	12	14	22	29	---	---
330	9	9	12	14	22	29	---	---
340	9	9	12	14	22	29	---	---
350	9	9	12	15	22	29	---	---
360	9	9	12	15	23	30	---	---
370	9	9	12	15	23	30	---	---
380	9	9	13	15	23	30	---	---
390	9	9	13	16	24	30	---	---
400	9	9	13	16	24	31	---	---
410	9	9	13	16	24	31	---	---
420	9	9	13	16	24	31	---	---
430	9	9	14	16	25	31	---	---
440	9	9	14	17	25	32	---	---
450	9	9	14	17	25	32	---	---
460	9	9	14	17	26	32	---	---
470	9	9	14	17	26	32	---	---
475	9	9	14	18	26	32	---	---

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	9	9	9	9	9	10	17	26
70	9	9	9	9	9	10	18	27
80	9	9	9	9	9	11	20	28
90	9	9	9	9	9	12	21	30
100	9	9	9	9	10	12	23	32
110	9	9	9	9	10	13	25	33
120	9	9	9	9	10	14	25	35
130	9	9	9	9	11	15	25	38
140	9	9	9	9	11	16	26	41
150	9	9	9	9	12	16	26	---
160	9	9	9	9	12	17	26	---
170	9	9	9	9	12	18	27	---
180	9	9	9	9	13	19	27	---
190	9	9	9	9	13	20	27	---
200	9	9	9	9	13	20	28	---
210	9	9	9	10	14	21	28	---
220	9	9	9	10	14	22	28	---
230	9	9	9	10	15	22	29	---
240	9	9	9	10	15	23	29	---
250	9	9	9	10	15	23	29	---
260	9	9	9	11	16	24	29	---
270	9	9	9	11	16	25	30	---
280	9	9	9	11	17	25	30	---
290	9	9	9	11	17	25	30	---
300	9	9	9	12	17	25	31	---
310	9	9	9	12	18	26	31	---
320	9	9	9	12	18	26	31	---
330	9	9	9	12	18	26	32	---
340	9	9	9	12	19	26	32	---
350	9	9	9	13	19	27	32	---
360	9	9	9	13	19	27	33	---
370	9	9	9	13	20	27	33	---
380	9	9	9	13	20	27	33	---
390	9	9	9	13	21	28	33	---
400	9	9	9	14	21	28	34	---
410	9	9	9	14	21	28	34	---
420	9	9	9	14	22	28	34	---
430	9	9	10	14	22	29	35	---
440	9	9	10	14	22	29	35	---
450	9	9	10	15	23	29	35	---
460	9	9	10	15	23	29	36	---
470	9	9	10	15	23	30	37	---
475	9	9	11	15	24	30	37	---

PILASTRI DI ACCIAIO CON 4 O MENO FACCE ESPOSTE

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

I L | PILASTRI

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	9	9	9	9	9	9	16	24
70	9	9	9	9	9	9	16	24
80	9	9	9	9	9	10	18	26
90	9	9	9	9	9	10	19	27
100	9	9	9	9	9	11	21	29
110	9	9	9	9	9	12	23	31
120	9	9	9	9	10	13	24	33
130	9	9	9	9	10	13	25	34
140	9	9	9	9	10	14	25	36
150	9	9	9	9	11	15	26	39
160	9	9	9	9	11	15	26	41
170	9	9	9	9	11	16	26	---
180	9	9	9	9	12	17	27	---
190	9	9	9	9	12	18	27	---
200	9	9	9	9	12	18	27	---
210	9	9	9	9	13	19	28	---
220	9	9	9	9	13	20	28	---
230	9	9	9	9	13	20	28	---
240	9	9	9	9	14	21	28	---
250	9	9	9	9	14	21	29	---
260	9	9	9	9	14	22	29	---
270	9	9	9	10	15	22	29	---
280	9	9	9	10	15	23	30	---
290	9	9	9	10	15	23	30	---
300	9	9	9	10	16	24	30	---
310	9	9	9	11	16	24	31	---
320	9	9	9	11	16	25	31	---
330	9	9	9	11	17	25	31	---
340	9	9	9	11	17	25	32	---
350	9	9	9	11	17	26	32	---
360	9	9	9	12	18	26	32	---
370	9	9	9	12	18	26	32	---
380	9	9	9	12	19	26	33	---
390	9	9	9	12	19	27	33	---
400	9	9	9	13	19	27	33	---
410	9	9	9	13	20	27	34	---
420	9	9	9	13	20	27	34	---
430	9	9	9	13	21	28	34	---
440	9	9	9	14	21	28	34	---
450	9	9	9	14	21	28	35	---
460	9	9	9	14	22	28	35	---
470	9	9	9	14	22	29	36	---
475	9	9	9	14	22	29	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	9	9	9	9	9	9	14	21
70	9	9	9	9	9	9	14	21
80	9	9	9	9	9	9	16	23
90	9	9	9	9	9	10	17	25
100	9	9	9	9	9	10	19	27
110	9	9	9	9	9	11	20	28
120	9	9	9	9	9	11	22	30
130	9	9	9	9	9	12	23	31
140	9	9	9	9	10	13	25	32
150	9	9	9	9	10	13	25	34
160	9	9	9	9	10	14	25	35
170	9	9	9	9	11	14	26	37
180	9	9	9	9	11	15	26	39
190	9	9	9	9	11	15	26	41
200	9	9	9	9	11	16	27	---
210	9	9	9	9	12	17	27	---
220	9	9	9	9	12	17	27	---
230	9	9	9	9	12	18	27	---
240	9	9	9	9	13	18	28	---
250	9	9	9	9	13	18	28	---
260	9	9	9	9	13	19	28	---
270	9	9	9	9	13	19	29	---
280	9	9	9	9	14	20	29	---
290	9	9	9	9	14	20	29	---
300	9	9	9	9	14	20	30	---
310	9	9	9	9	15	21	30	---
320	9	9	9	9	15	21	30	---
330	9	9	9	9	15	22	31	---
340	9	9	9	10	15	22	31	---
350	9	9	9	10	16	22	31	---
360	9	9	9	10	16	23	31	---
370	9	9	9	10	16	23	32	---
380	9	9	9	11	16	24	32	---
390	9	9	9	11	17	24	32	---
400	9	9	9	11	17	24	32	---
410	9	9	9	11	17	25	33	---
420	9	9	9	12	18	25	33	---
430	9	9	9	12	18	25	33	---
440	9	9	9	12	19	26	34	---
450	9	9	9	12	19	26	34	---
460	9	9	9	13	20	26	34	---
470	9	9	9	13	20	27	35	---
475	9	9	9	13	20	27	35	---

PILASTRI DI ACCIAIO CON 4 O MENO FACCE ESPOSTE

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

I L | PILASTRI

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	9	9	9	9	9	9	13	19
70	9	9	9	9	9	9	13	19
80	9	9	9	9	9	9	14	21
90	9	9	9	9	9	9	16	24
100	9	9	9	9	9	9	17	25
110	9	9	9	9	9	10	18	26
120	9	9	9	9	9	10	19	26
130	9	9	9	9	9	11	21	27
140	9	9	9	9	9	11	22	28
150	9	9	9	9	9	12	23	28
160	9	9	9	9	10	12	25	29
170	9	9	9	9	10	13	25	29
180	9	9	9	9	10	13	25	30
190	9	9	9	9	10	14	26	31
200	9	9	9	9	11	14	26	31
210	9	9	9	9	11	15	26	32
220	9	9	9	9	11	15	26	33
230	9	9	9	9	11	16	27	33
240	9	9	9	9	12	16	27	34
250	9	9	9	9	12	17	27	34
260	9	9	9	9	12	17	27	35
270	9	9	9	9	12	18	28	36
280	9	9	9	9	13	18	28	37
290	9	9	9	9	13	18	28	39
300	9	9	9	9	13	18	28	40
310	9	9	9	9	13	19	29	41
320	9	9	9	9	14	19	29	---
330	9	9	9	9	14	19	29	---
340	9	9	9	9	14	19	29	---
350	9	9	9	9	14	20	29	---
360	9	9	9	9	15	20	30	---
370	9	9	9	9	15	20	30	---
380	9	9	9	9	15	21	30	---
390	9	9	9	9	16	21	31	---
400	9	9	9	9	16	21	31	---
410	9	9	9	9	16	21	31	---
420	9	9	9	9	16	22	31	---
430	9	9	9	9	17	22	32	---
440	9	9	9	10	17	22	32	---
450	9	9	9	10	17	22	32	---
460	9	9	9	10	17	23	32	---
470	9	9	9	10	18	23	33	---
475	9	9	9	10	18	23	33	---

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	9	9	9	9	9	9	10	17
70	9	9	9	9	9	9	10	17
80	9	9	9	9	9	9	11	19
90	9	9	9	9	9	9	13	22
100	9	9	9	9	9	9	14	24
110	9	9	9	9	9	9	15	25
120	9	9	9	9	9	10	17	26
130	9	9	9	9	9	10	18	26
140	9	9	9	9	9	10	19	27
150	9	9	9	9	9	11	21	27
160	9	9	9	9	9	11	22	28
170	9	9	9	9	9	12	24	29
180	9	9	9	9	9	12	25	29
190	9	9	9	9	9	13	25	30
200	9	9	9	9	10	13	26	30
210	9	9	9	9	10	13	26	31
220	9	9	9	9	10	14	26	31
230	9	9	9	9	10	14	26	32
240	9	9	9	9	11	15	27	33
250	9	9	9	9	11	15	27	33
260	9	9	9	9	11	15	27	34
270	9	9	9	9	11	16	27	34
280	9	9	9	9	12	16	28	35
290	9	9	9	9	12	17	28	36
300	9	9	9	9	12	17	28	37
310	9	9	9	9	12	18	28	37
320	9	9	9	9	13	18	29	38
330	9	9	9	9	13	18	29	39
340	9	9	9	9	13	19	29	40
350	9	9	9	9	13	19	30	---
360	9	9	9	9	14	20	30	---
370	9	9	9	9	14	20	30	---
380	9	9	9	9	14	21	30	---
390	9	9	9	9	14	21	31	---
400	9	9	9	9	15	22	31	---
410	9	9	9	9	15	22	31	---
420	9	9	9	9	15	22	31	---
430	9	9	9	9	16	23	32	---
440	9	9	9	9	16	23	32	---
450	9	9	9	9	16	23	32	---
460	9	9	9	9	16	24	33	---
470	9	9	9	9	17	24	33	---
475	9	9	9	9	17	25	33	---

PILASTRI DI ACCIAIO CON 4 O MENO FACCE ESPOSTE

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

I L | PILASTRI

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	9	9	9	9	9	9	9	14
70	9	9	9	9	9	9	9	14
80	9	9	9	9	9	9	9	17
90	9	9	9	9	9	9	10	19
100	9	9	9	9	9	9	12	21
110	9	9	9	9	9	9	13	23
120	9	9	9	9	9	9	14	25
130	9	9	9	9	9	9	15	25
140	9	9	9	9	9	9	16	26
150	9	9	9	9	9	10	18	26
160	9	9	9	9	9	10	19	27
170	9	9	9	9	9	10	20	27
180	9	9	9	9	9	11	21	28
190	9	9	9	9	9	11	22	28
200	9	9	9	9	9	11	23	28
210	9	9	9	9	9	12	25	29
220	9	9	9	9	9	12	25	29
230	9	9	9	9	9	13	25	30
240	9	9	9	9	9	13	26	30
250	9	9	9	9	9	13	26	31
260	9	9	9	9	10	14	26	31
270	9	9	9	9	10	14	26	32
280	9	9	9	9	10	14	27	32
290	9	9	9	9	10	15	27	32
300	9	9	9	9	11	15	27	33
310	9	9	9	9	11	15	27	33
320	9	9	9	9	11	16	28	34
330	9	9	9	9	11	16	28	34
340	9	9	9	9	12	16	28	35
350	9	9	9	9	12	17	28	35
360	9	9	9	9	12	17	29	36
370	9	9	9	9	12	17	29	37
380	9	9	9	9	13	18	29	38
390	9	9	9	9	13	18	29	39
400	9	9	9	9	13	19	30	39
410	9	9	9	9	13	19	30	40
420	9	9	9	9	14	20	30	41
430	9	9	9	9	14	20	30	---
440	9	9	9	9	14	21	31	---
450	9	9	9	9	15	21	31	---
460	9	9	9	9	15	22	31	---
470	9	9	9	9	15	22	31	---
475	9	9	9	9	15	22	31	---

TRAVI DI ACCIAIO CON 3 O MENO FACCE ESPOSTE

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

I L I **TRAVI**

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	10	15	25	---
70	10	10	10	10	10	15	26	---
80	10	10	10	10	11	16	26	---
90	10	10	10	10	12	17	27	---
100	10	10	10	10	12	18	28	---
110	10	10	10	10	13	19	28	---
120	10	10	10	10	13	20	29	---
130	10	10	10	10	14	21	30	---
140	10	10	10	10	14	22	31	---
150	10	10	10	10	15	24	31	---
160	10	10	10	10	16	25	32	---
170	10	10	10	11	16	25	33	---
180	10	10	10	11	17	25	34	---
190	10	10	10	11	17	26	34	---
200	10	10	10	11	18	26	35	---
210	10	10	10	12	18	26	36	---
220	10	10	10	12	19	26	38	---
230	10	10	10	12	19	26	40	---
240	10	10	10	12	19	27	41	---
250	10	10	10	13	20	27	---	---
260	10	10	10	13	20	27	---	---
270	10	10	11	13	20	27	---	---
280	10	10	11	13	21	28	---	---
290	10	10	11	13	21	28	---	---
300	10	10	11	14	21	28	---	---
310	10	10	11	14	21	29	---	---
320	10	10	12	14	22	29	---	---
330	10	10	12	14	22	29	---	---
340	10	10	12	14	22	29	---	---
350	10	10	12	15	22	29	---	---
360	10	10	12	15	23	30	---	---
370	10	10	12	15	23	30	---	---
380	10	10	13	15	23	30	---	---
390	10	10	13	16	24	30	---	---
400	10	10	13	16	24	31	---	---
410	10	10	13	16	24	31	---	---
420	10	10	13	16	24	31	---	---
430	10	10	14	16	25	31	---	---
440	10	10	14	17	25	32	---	---
450	10	10	14	17	25	32	---	---
460	10	10	14	17	26	32	---	---
470	10	10	14	17	26	32	---	---
475	10	10	14	18	26	32	---	---

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	17	26
70	10	10	10	10	10	10	18	27
80	10	10	10	10	10	11	20	28
90	10	10	10	10	10	12	21	30
100	10	10	10	10	10	12	23	32
110	10	10	10	10	10	13	25	33
120	10	10	10	10	10	14	25	35
130	10	10	10	10	11	15	25	38
140	10	10	10	10	11	16	26	41
150	10	10	10	10	12	16	26	---
160	10	10	10	10	12	17	26	---
170	10	10	10	10	12	18	27	---
180	10	10	10	10	13	19	27	---
190	10	10	10	10	13	20	27	---
200	10	10	10	10	13	20	28	---
210	10	10	10	10	14	21	28	---
220	10	10	10	10	14	22	28	---
230	10	10	10	10	15	22	29	---
240	10	10	10	10	15	23	29	---
250	10	10	10	10	15	23	29	---
260	10	10	10	11	16	24	29	---
270	10	10	10	11	16	25	30	---
280	10	10	10	11	17	25	30	---
290	10	10	10	11	17	25	30	---
300	10	10	10	12	17	25	31	---
310	10	10	10	12	18	26	31	---
320	10	10	10	12	18	26	31	---
330	10	10	10	12	18	26	32	---
340	10	10	10	12	19	26	32	---
350	10	10	10	13	19	27	32	---
360	10	10	10	13	19	27	33	---
370	10	10	10	13	20	27	33	---
380	10	10	10	13	20	27	33	---
390	10	10	10	13	21	28	33	---
400	10	10	10	14	21	28	34	---
410	10	10	10	14	21	28	34	---
420	10	10	10	14	22	28	34	---
430	10	10	10	14	22	29	35	---
440	10	10	10	14	22	29	35	---
450	10	10	10	15	23	29	35	---
460	10	10	10	15	23	29	36	---
470	10	10	10	15	23	30	37	---
475	10	10	11	15	24	30	37	---

TRAVI DI ACCIAIO CON 3 O MENO FACCE ESPOSTE

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

I L I **TRAVI**

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	16	24
70	10	10	10	10	10	10	16	24
80	10	10	10	10	10	10	18	26
90	10	10	10	10	10	10	19	27
100	10	10	10	10	10	11	21	29
110	10	10	10	10	10	12	23	31
120	10	10	10	10	10	13	24	33
130	10	10	10	10	10	13	25	34
140	10	10	10	10	10	14	25	36
150	10	10	10	10	11	15	26	39
160	10	10	10	10	11	15	26	41
170	10	10	10	10	11	16	26	---
180	10	10	10	10	12	17	27	---
190	10	10	10	10	12	18	27	---
200	10	10	10	10	12	18	27	---
210	10	10	10	10	13	19	28	---
220	10	10	10	10	13	20	28	---
230	10	10	10	10	13	20	28	---
240	10	10	10	10	14	21	28	---
250	10	10	10	10	14	21	29	---
260	10	10	10	10	14	22	29	---
270	10	10	10	10	15	22	29	---
280	10	10	10	10	15	23	30	---
290	10	10	10	10	15	23	30	---
300	10	10	10	10	16	24	30	---
310	10	10	10	11	16	24	31	---
320	10	10	10	11	16	25	31	---
330	10	10	10	11	17	25	31	---
340	10	10	10	11	17	25	32	---
350	10	10	10	11	17	26	32	---
360	10	10	10	12	18	26	32	---
370	10	10	10	12	18	26	32	---
380	10	10	10	12	19	26	33	---
390	10	10	10	12	19	27	33	---
400	10	10	10	13	19	27	33	---
410	10	10	10	13	20	27	34	---
420	10	10	10	13	20	27	34	---
430	10	10	10	13	21	28	34	---
440	10	10	10	14	21	28	34	---
450	10	10	10	14	21	28	35	---
460	10	10	10	14	22	28	35	---
470	10	10	10	14	22	29	36	---
475	10	10	10	14	22	29	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	14	21
70	10	10	10	10	10	10	14	21
80	10	10	10	10	10	10	16	23
90	10	10	10	10	10	10	17	25
100	10	10	10	10	10	10	19	27
110	10	10	10	10	10	11	20	28
120	10	10	10	10	10	11	22	30
130	10	10	10	10	10	12	23	31
140	10	10	10	10	10	13	25	32
150	10	10	10	10	10	13	25	34
160	10	10	10	10	10	14	25	35
170	10	10	10	10	11	14	26	37
180	10	10	10	10	11	15	26	39
190	10	10	10	10	11	15	26	41
200	10	10	10	10	11	16	27	---
210	10	10	10	10	12	17	27	---
220	10	10	10	10	12	17	27	---
230	10	10	10	10	12	18	27	---
240	10	10	10	10	13	18	28	---
250	10	10	10	10	13	18	28	---
260	10	10	10	10	13	19	28	---
270	10	10	10	10	13	19	29	---
280	10	10	10	10	14	20	29	---
290	10	10	10	10	14	20	29	---
300	10	10	10	10	14	20	30	---
310	10	10	10	10	15	21	30	---
320	10	10	10	10	15	21	30	---
330	10	10	10	10	15	22	31	---
340	10	10	10	10	15	22	31	---
350	10	10	10	10	16	22	31	---
360	10	10	10	10	16	23	31	---
370	10	10	10	10	16	23	32	---
380	10	10	10	11	16	24	32	---
390	10	10	10	11	17	24	32	---
400	10	10	10	11	17	24	32	---
410	10	10	10	11	17	25	33	---
420	10	10	10	12	18	25	33	---
430	10	10	10	12	18	25	33	---
440	10	10	10	12	19	26	34	---
450	10	10	10	12	19	26	34	---
460	10	10	10	13	20	26	34	---
470	10	10	10	13	20	27	35	---
475	10	10	10	13	20	27	35	---

TRAVI DI ACCIAIO CON 3 O MENO FACCE ESPOSTE

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

I L I **TRAVI**

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	19
70	10	10	10	10	10	10	13	19
80	10	10	10	10	10	10	14	21
90	10	10	10	10	10	10	16	24
100	10	10	10	10	10	10	17	25
110	10	10	10	10	10	10	18	26
120	10	10	10	10	10	10	19	26
130	10	10	10	10	10	11	21	27
140	10	10	10	10	10	11	22	28
150	10	10	10	10	10	12	23	28
160	10	10	10	10	10	12	25	29
170	10	10	10	10	10	13	25	29
180	10	10	10	10	10	13	25	30
190	10	10	10	10	10	14	26	31
200	10	10	10	10	11	14	26	31
210	10	10	10	10	11	15	26	32
220	10	10	10	10	11	15	26	33
230	10	10	10	10	11	16	27	33
240	10	10	10	10	12	16	27	34
250	10	10	10	10	12	17	27	34
260	10	10	10	10	12	17	27	35
270	10	10	10	10	12	18	28	36
280	10	10	10	10	13	18	28	37
290	10	10	10	10	13	18	28	39
300	10	10	10	10	13	18	28	40
310	10	10	10	10	13	19	29	41
320	10	10	10	10	14	19	29	---
330	10	10	10	10	14	19	29	---
340	10	10	10	10	14	19	29	---
350	10	10	10	10	14	20	29	---
360	10	10	10	10	15	20	30	---
370	10	10	10	10	15	20	30	---
380	10	10	10	10	15	21	30	---
390	10	10	10	10	16	21	31	---
400	10	10	10	10	16	21	31	---
410	10	10	10	10	16	21	31	---
420	10	10	10	10	16	22	31	---
430	10	10	10	10	17	22	32	---
440	10	10	10	10	17	22	32	---
450	10	10	10	10	17	22	32	---
460	10	10	10	10	17	23	32	---
470	10	10	10	10	18	23	33	---
475	10	10	10	10	18	23	33	---

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	17
70	10	10	10	10	10	10	10	17
80	10	10	10	10	10	10	11	19
90	10	10	10	10	10	10	13	22
100	10	10	10	10	10	10	14	24
110	10	10	10	10	10	10	15	25
120	10	10	10	10	10	10	17	26
130	10	10	10	10	10	10	18	26
140	10	10	10	10	10	10	19	27
150	10	10	10	10	10	11	21	27
160	10	10	10	10	10	11	22	28
170	10	10	10	10	10	12	24	29
180	10	10	10	10	10	12	25	29
190	10	10	10	10	10	13	25	30
200	10	10	10	10	10	13	26	30
210	10	10	10	10	10	13	26	31
220	10	10	10	10	10	14	26	31
230	10	10	10	10	10	14	26	32
240	10	10	10	10	11	15	27	33
250	10	10	10	10	11	15	27	33
260	10	10	10	10	11	15	27	34
270	10	10	10	10	11	16	27	34
280	10	10	10	10	12	16	28	35
290	10	10	10	10	12	17	28	36
300	10	10	10	10	12	17	28	37
310	10	10	10	10	12	18	28	38
320	10	10	10	10	13	18	29	39
330	10	10	10	10	13	18	29	40
340	10	10	10	10	13	19	29	---
350	10	10	10	10	13	19	30	---
360	10	10	10	10	14	20	30	---
370	10	10	10	10	14	20	30	---
380	10	10	10	10	14	21	30	---
390	10	10	10	10	14	21	31	---
400	10	10	10	10	15	22	31	---
410	10	10	10	10	15	22	31	---
420	10	10	10	10	15	22	31	---
430	10	10	10	10	16	23	32	---
440	10	10	10	10	16	23	32	---
450	10	10	10	10	16	23	32	---
460	10	10	10	10	16	24	33	---
470	10	10	10	10	17	24	33	---
475	10	10	10	10	17	25	33	---

TRAVI DI ACCIAIO CON 3 O MENO FACCE ESPOSTE

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

I L I TRAVI

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	14
70	10	10	10	10	10	10	10	14
80	10	10	10	10	10	10	10	17
90	10	10	10	10	10	10	10	19
100	10	10	10	10	10	10	12	21
110	10	10	10	10	10	10	13	23
120	10	10	10	10	10	10	14	25
130	10	10	10	10	10	10	15	25
140	10	10	10	10	10	10	16	26
150	10	10	10	10	10	10	18	26
160	10	10	10	10	10	10	19	27
170	10	10	10	10	10	10	20	27
180	10	10	10	10	10	11	21	28
190	10	10	10	10	10	11	22	28
200	10	10	10	10	10	11	23	28
210	10	10	10	10	10	12	25	29
220	10	10	10	10	10	12	25	29
230	10	10	10	10	10	13	25	30
240	10	10	10	10	10	13	26	30
250	10	10	10	10	10	13	26	31
260	10	10	10	10	10	14	26	31
270	10	10	10	10	10	14	26	32
280	10	10	10	10	10	14	27	32
290	10	10	10	10	10	15	27	32
300	10	10	10	10	11	15	27	33
310	10	10	10	10	11	15	27	33
320	10	10	10	10	11	16	28	34
330	10	10	10	10	11	16	28	34
340	10	10	10	10	12	16	28	35
350	10	10	10	10	12	17	28	35
360	10	10	10	10	12	17	29	36
370	10	10	10	10	12	17	29	37
380	10	10	10	10	13	18	29	38
390	10	10	10	10	13	18	29	39
400	10	10	10	10	13	19	30	39
410	10	10	10	10	13	19	30	40
420	10	10	10	10	14	20	30	41
430	10	10	10	10	14	20	30	---
440	10	10	10	10	14	21	31	---
450	10	10	10	10	15	21	31	---
460	10	10	10	10	15	22	31	---
470	10	10	10	10	15	22	31	---
475	10	10	10	10	15	22	31	---