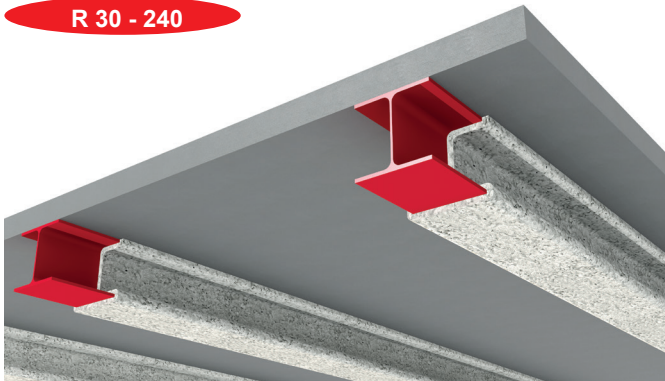


R 30 - 240



Area of validity

- Application on an untreated or rustproofed steel base; while our products do not increase steel corrosion, a treated base (galvanization or an alkyd, epoxy, zinc or zinc silicate epoxy primer) is recommended for long-term resistance to corrosion.
- Application on a clean, dry base free of dust, rolling residue, rust, oil, or any other contaminant that may affect adhesion.
- Application on a base first treated with PROJISO FIXO-M® primer.
- Critical temperature: 570°C.

Required thickness for R 30 performance

	HEA	HEB	IPE	IPN	UAP
80	-	-	15	15	15
100	15	15	15	15	15
120	15	15	15	15	-
130	-	-	-	-	15
140	15	15	15	15	-
150	-	-	-	-	15
160	15	15	15	15	-
175	-	-	-	-	15
180	15	15	15	15	-
200	15	15	15	15	15
220	15	15	15	15	15
240	15	15	15	15	-
250	-	-	-	-	15
260	15	15	-	15	-
270	-	-	15	-	15
280	15	15	-	15	-
300	15	15	15	15	15
320	15	15	-	15	-
330	-	-	15	-	-
340	15	15	-	15	-
360	15	15	15	15	-
380	-	-	-	15	-
400	15	15	15	15	-
425	-	-	-	15	-
450	15	15	15	15	-
475	-	-	-	15	-
500	15	15	15	15	-
550	15	15	15	15	-
600	15	15	15	15	-

Required thickness for R 60 performance

	HEA	HEB	IPE	IPN	UAP
80	-	-	35	33	28
100	24	20	32	30	27
120	25	19	31	28	-
130	-	-	-	-	25
140	23	18	30	25	-
150	-	-	-	-	23
160	21	16	28	24	-
175	-	-	-	-	23
180	21	16	27	22	-
200	20	15	25	21	22
220	19	15	25	20	21
240	17	15	23	19	-
250	-	-	-	-	19
260	17	15	-	17	-
270	-	-	22	-	19
280	16	15	-	16	-
300	15	15	21	16	18
320	15	15	-	15	-
330	-	-	20	-	-
340	15	15	-	15	-
360	15	15	19	15	-
380	-	-	-	15	-
400	15	15	18	15	-
425	-	-	-	15	-
450	15	15	17	15	-
475	-	-	-	15	-
500	15	15	16	15	-
550	15	15	15	15	-
600	15	15	15	15	-

Required thickness for R 90 performance

	HEA	HEB	IPE	IPN	UAP
80	-	-	54	52	45
100	40	35	51	49	44
120	41	33	50	45	-
130	-	-	-	-	42
140	39	32	48	42	-
150	-	-	-	-	39
160	36	28	45	40	-
175	-	-	-	-	39
180	35	28	44	37	-
200	35	27	42	36	37
220	33	25	41	35	36
240	30	23	39	33	-
250	-	-	-	-	33
260	30	23	-	30	-
270	-	-	37	-	33
280	28	23	-	28	-
300	27	21	36	28	32
320	25	21	-	27	-
330	-	-	35	-	-
340	25	19	-	25	-
360	23	19	33	23	-
380	-	-	-	23	-
400	23	19	32	21	-
425	-	-	-	21	-
450	21	17	30	19	-
475	-	-	-	19	-
500	21	17	28	19	-
550	21	17	27	17	-
600	19	17	25	15	-

Required thickness for R 120 performance

	HEA	HEB	IPE	IPN	UAP
80	-	-	71	69	62
100	56	49	69	66	61
120	57	47	67	62	-
130	-	-	-	-	58
140	54	45	65	58	-
150	-	-	-	-	54
160	51	41	62	56	-
175	-	-	-	-	54
180	51	41	61	53	-
200	49	39	58	51	53
220	47	36	57	49	51
240	43	34	54	47	-
250	-	-	-	-	47
260	43	34	-	43	-
270	-	-	53	-	47
280	41	34	-	41	-
300	39	31	51	41	45
320	36	31	-	39	-
330	-	-	49	-	-
340	36	28	-	36	-
360	36	28	47	34	-
380	-	-	-	34	-
400	34	28	45	31	-
425	-	-	-	31	-
450	31	26	43	28	-
475	-	-	-	28	-
500	31	26	41	28	-
550	31	26	39	26	-
600	28	26	36	23	-

Required thickness for R 180 performance

	HEA	HEB	IPE	IPN	UAP
80	-	-	-	-	-
100	-	77	-	-	-
120	-	74	-	-	-
130	-	-	-	-	-
140	-	72	-	-	-
150	-	-	-	-	-
160	79	66	-	-	-
175	-	-	-	-	-
180	79	66	-	-	-
200	77	63	-	79	-
220	74	60	-	77	79
240	69	56	-	74	-
250	-	-	-	-	74
260	69	56	-	69	-
270	-	-	-	-	74
280	66	56	-	66	-
300	63	52	79	66	72
320	60	52	-	63	-
330	-	-	77	-	-
340	60	48	-	60	-
360	56	48	74	56	-
380	-	-	-	56	-
400	56	48	72	52	-
425	-	-	-	52	-
450	52	44	69	48	-
475	-	-	-	48	-
500	52	44	66	48	-
550	52	44	63	44	-
600	48	44	60	39	-

Required thickness for R 240 performance

	HEA	HEB	IPE	IPN	UAP
220	-	-	-	-	-
240	-	78	-	-	-
250	-	-	-	-	-
260	-	78	-	-	-
270	-	-	-	-	-
280	-	78	-	-	-
300	-	73	-	-	-
320	-	73	-	-	-
330	-	-	-	-	-
340	-	68	-	-	-
360	78	68	-	78	-
380	-	-	-	78	-
400	78	68	-	73	-
425	-	-	-	73	-
450	73	62	-	68	-
475	-	-	-	68	-
500	73	62	-	68	-
550	73	62	-	62	-
600	68	62	-	56	-

Note:

These thicknesses are in mm and were calculated for a critical temperature of 570°C, for beams exposed on 3 sides.

R 30 - 240



Area of validity

- Application on an untreated or rustproofed steel base; while our products do not increase steel corrosion, a treated base (galvanization or an alkyd, epoxy, zinc or zinc silicate epoxy primer) is recommended for long-term resistance to corrosion.
- Application on a clean, dry base free of dust, rolling residue, rust, oil, or any other contaminant that may affect adhesion.
- Application on a base first treated with PROJISO FIXO-M® primer.
- Critical temperature: 500°C.

Required thickness for R 30 performance

	HEA	HEB	IPE	IPN	UAP
80	-	-	-	17	15
100	15	15	16	15	15
120	15	15	15	15	-
130	-	-	-	-	15
140	15	15	15	15	-
150	-	-	-	-	15
160	15	15	15	15	-
175	-	-	-	-	15
180	15	15	15	15	-
200	15	15	15	15	15
220	15	15	15	15	15
240	15	15	15	15	-
250	-	-	-	-	15
260	15	15	-	15	-
270	-	-	15	-	15
280	15	15	-	15	-
300	15	15	15	15	15
320	15	15	-	15	-
330	-	-	15	-	-
340	15	15	-	15	-
360	15	15	15	15	-
380	-	-	-	15	-
400	15	15	15	15	-
425	-	-	-	15	-
450	15	15	15	15	-
475	-	-	-	15	-
500	15	15	15	15	-
550	15	15	15	15	-
600	15	15	15	15	-

Required thickness for R 60 performance

	HEA	HEB	IPE	IPN	UAP
80	-	-	-	39	34
100	31	27	38	36	33
120	31	26	37	34	-
130	-	-	-	-	31
140	30	24	36	32	-
150	-	-	-	-	28
160	28	22	34	30	-
175	-	-	-	-	27
180	27	20	33	27	-
200	27	19	31	27	27
220	25	18	30	25	26
240	23	18	28	24	-
250	-	-	-	-	24
260	23	17	-	22	-
270	-	-	27	-	23
280	22	17	-	20	-
300	20	16	27	19	22
320	19	15	-	19	-
330	-	-	25	-	-
340	18	15	-	18	-
360	17	15	24	17	-
380	-	-	-	16	-
400	17	15	23	16	-
425	-	-	-	15	-
450	16	15	22	15	-
475	-	-	-	15	-
500	15	15	19	15	-
550	15	15	19	15	-
600	15	15	17	15	-

Required thickness for R 90 performance

	HEA	HEB	IPE	IPN	UAP
80	-	-	-	60	53
100	50	44	59	57	53
120	50	43	57	53	-
130	-	-	-	-	50
140	49	40	56	51	-
150	-	-	-	-	46
160	46	37	53	49	-
175	-	-	-	-	45
180	45	36	53	45	-
200	44	34	50	44	44
220	41	32	49	41	43
240	39	32	46	40	-
250	-	-	-	-	40
260	39	30	-	37	-
270	-	-	45	-	39
280	37	30	-	36	-
300	36	28	44	34	37
320	34	26	-	34	-
330	-	-	41	-	-
340	32	26	-	32	-
360	30	26	40	30	-
380	-	-	-	28	-
400	30	24	39	28	-
425	-	-	-	26	-
450	28	24	37	26	-
475	-	-	-	24	-
500	26	22	34	24	-
550	26	22	34	22	-
600	26	22	30	19	-

Required thickness for R 120 performance

	HEA	HEB	IPE	IPN	UAP
80	-	-	-	78	71
100	68	61	77	75	71
120	68	60	75	71	-
130	-	-	-	-	68
140	66	56	74	69	-
150	-	-	-	-	64
160	64	53	71	66	-
175	-	-	-	-	63
180	63	50	71	63	-
200	61	48	68	61	61
220	58	46	66	58	60
240	54	46	64	56	-
250	-	-	-	-	56
260	54	44	-	53	-
270	-	-	63	-	54
280	53	44	-	50	-
300	50	41	61	48	53
320	48	38	-	48	-
330	-	-	58	-	-
340	46	38	-	46	-
360	44	38	56	44	-
380	-	-	-	41	-
400	44	35	54	41	-
425	-	-	-	38	-
450	41	35	53	38	-
475	-	-	-	35	-
500	38	32	48	35	-
550	38	32	48	32	-
600	38	32	44	29	-

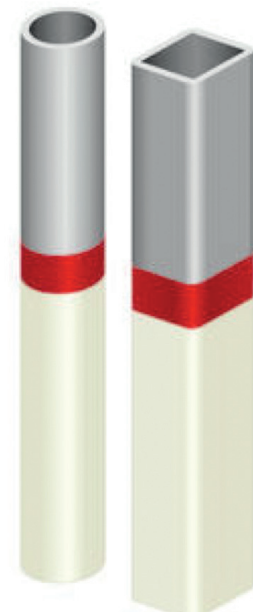
Required thickness for R 180 performance

	HEA	HEB	IPE	IPN	UAP
180	-	79	-	-	-
200	-	76	-	-	-
220	-	73	-	-	-
240	-	73	-	-	-
250	-	-	-	-	-
260	-	70	-	-	-
270	-	-	-	-	-
280	-	70	-	79	-
300	79	67	-	76	-
320	76	63	-	76	-
330	-	-	-	-	-
340	73	63	-	73	-
360	70	63	-	70	-
380	-	-	-	67	-
400	70	58	-	67	-
425	-	-	-	63	-
450	67	58	-	63	-
475	-	-	-	58	-
500	63	54	76	58	-
550	63	54	76	54	-
600	63	54	70	49	-

Note:

These thicknesses are in mm and were calculated for a critical temperature of 500°C, for beams exposed on 4 sides.

For all other applications, please contact us.



For rectangular or circular hollow pipes, please contact us.