

Franssen J. M., Zaharia R.: Design of Steel Structures subjected to Fire. Background and Design Guide to Eurocode 3. Les Editions Universite de Liege, Liege-Belgique 2005.

Tablica 2

Temperatura w przekroju elementu konstrukcji stalowej osłoniętego izolacją ogniochronną

| k_p [W/(m ³ K)] | 200 | 400 | 600 | 800 | 1200 | 2000 |
|------------------------------|-----------------------|-----|-----|-----|------|------|
| Czas, min | temperatura stali, °C | | | | | |
| 0 | 20 | 20 | 20 | 20 | 20 | 20 |
| 10 | 37 | 54 | 70 | 85 | 113 | 163 |
| 20 | 60 | 97 | 130 | 160 | 215 | 304 |
| 30 | 84 | 139 | 188 | 232 | 306 | 421 |
| 40 | 108 | 181 | 244 | 298 | 388 | 514 |
| 50 | 132 | 222 | 296 | 359 | 459 | 589 |
| 60 | 156 | 260 | 345 | 414 | 520 | 650 |
| 70 | 179 | 298 | 391 | 465 | 573 | 699 |
| 80 | 202 | 333 | 433 | 510 | 620 | 730 |
| 90 | 225 | 367 | 472 | 552 | 661 | 743 |
| 100 | 247 | 399 | 509 | 589 | 695 | 773 |
| 110 | 268 | 430 | 542 | 623 | 721 | 816 |
| 120 | 289 | 459 | 573 | 654 | 734 | 859 |
| 130 | 310 | 486 | 602 | 681 | 744 | 900 |
| 140 | 330 | 512 | 629 | 705 | 765 | 935 |
| 150 | 349 | 537 | 654 | 723 | 795 | 965 |
| 160 | 368 | 560 | 677 | 733 | 828 | 990 |
| 170 | 386 | 582 | 697 | 739 | 861 | 1013 |
| 180 | 404 | 603 | 714 | 751 | 892 | 1032 |
| 190 | 422 | 623 | 727 | 769 | 921 | 1049 |
| 200 | 439 | 642 | 734 | 792 | 948 | 1065 |
| 210 | 455 | 660 | 738 | 817 | 972 | 1078 |
| 220 | 471 | 677 | 747 | 843 | 993 | 1090 |
| 230 | 487 | 692 | 760 | 869 | 1013 | 1101 |
| 240 | 502 | 706 | 777 | 893 | 1031 | 1112 |