



# SC802 Loading Tables

SC802  
Material Specification  
Specific Gravity: 1.38  
Volume Solids: 70% ± 3%

**Nullifire**  
Smart Protection

## 30 Minute Fire Protection

| Hp/A | 3 Sided Beam<br>I Section<br>Critical Temp: 620° C |      |                  | 4 Sided Beam<br>I Section<br>Critical Temp: 550° C |      |                  | 4 Sided Column<br>I Section<br>Critical Temp: 550° C |      |                  | Hollow<br>Columns<br>Critical Temp: 520° C |      |                  | 3 Sided Hollow<br>RHS Beams<br>Critical Temp: 620° C |      |                  |
|------|----------------------------------------------------|------|------------------|----------------------------------------------------|------|------------------|------------------------------------------------------|------|------------------|--------------------------------------------|------|------------------|------------------------------------------------------|------|------------------|
|      | WFT                                                | DFT  | g/m <sup>2</sup> | WFT                                                | DFT  | g/m <sup>2</sup> | WFT                                                  | DFT  | g/m <sup>2</sup> | WFT                                        | DFT  | g/m <sup>2</sup> | WFT                                                  | DFT  | g/m <sup>2</sup> |
| 40   | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 45   | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 50   | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 55   | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 60   | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 65   | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 70   | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 75   | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 80   | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 85   | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 90   | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 95   | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 100  | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 105  | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 110  | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 115  | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 120  | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 125  | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 130  | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 135  | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 140  | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 145  | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 150  | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 155  | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 160  | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 165  | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 170  | 0.26                                               | 0.18 | 357              | 0.25                                               | 0.18 | 347              | 0.25                                                 | 0.18 | 347              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 175  | 0.26                                               | 0.18 | 357              | 0.26                                               | 0.18 | 357              | 0.26                                                 | 0.18 | 357              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 180  | 0.26                                               | 0.18 | 357              | 0.27                                               | 0.19 | 371              | 0.27                                                 | 0.19 | 371              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 185  | 0.26                                               | 0.18 | 357              | 0.28                                               | 0.20 | 385              | 0.28                                                 | 0.20 | 385              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 190  | 0.26                                               | 0.18 | 357              | 0.29                                               | 0.20 | 399              | 0.29                                                 | 0.20 | 399              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 195  | 0.26                                               | 0.18 | 357              | 0.30                                               | 0.21 | 413              | 0.30                                                 | 0.21 | 413              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 200  | 0.26                                               | 0.18 | 358              | 0.31                                               | 0.22 | 427              | 0.31                                                 | 0.22 | 427              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 205  | 0.26                                               | 0.18 | 364              | 0.32                                               | 0.22 | 441              | 0.32                                                 | 0.22 | 441              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 210  | 0.27                                               | 0.19 | 369              | 0.33                                               | 0.23 | 453              | 0.33                                                 | 0.23 | 453              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 215  | 0.27                                               | 0.19 | 375              | 0.33                                               | 0.23 | 459              | 0.33                                                 | 0.23 | 459              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 220  | 0.28                                               | 0.19 | 380              | 0.34                                               | 0.24 | 465              | 0.34                                                 | 0.24 | 465              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 225  | 0.28                                               | 0.20 | 386              | 0.34                                               | 0.24 | 471              | 0.34                                                 | 0.24 | 471              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 230  | 0.28                                               | 0.20 | 391              | 0.35                                               | 0.24 | 477              | 0.35                                                 | 0.24 | 477              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 235  | 0.29                                               | 0.20 | 397              | 0.35                                               | 0.24 | 482              | 0.35                                                 | 0.24 | 482              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 240  | 0.29                                               | 0.20 | 402              | 0.35                                               | 0.25 | 488              | 0.35                                                 | 0.25 | 488              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 245  | 0.30                                               | 0.21 | 407              | 0.36                                               | 0.25 | 494              | 0.36                                                 | 0.25 | 494              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 250  | 0.30                                               | 0.21 | 413              | 0.36                                               | 0.25 | 500              | 0.36                                                 | 0.25 | 500              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 255  | 0.30                                               | 0.21 | 418              | 0.37                                               | 0.26 | 506              | 0.37                                                 | 0.26 | 506              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 260  | 0.31                                               | 0.21 | 424              | 0.37                                               | 0.26 | 512              | 0.37                                                 | 0.26 | 512              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 265  | 0.31                                               | 0.22 | 429              | 0.38                                               | 0.26 | 518              | 0.38                                                 | 0.26 | 518              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 270  | 0.32                                               | 0.22 | 435              | 0.38                                               | 0.27 | 524              | 0.38                                                 | 0.27 | 524              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 275  | 0.32                                               | 0.22 | 440              | 0.38                                               | 0.27 | 530              | 0.38                                                 | 0.27 | 530              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 280  | 0.32                                               | 0.23 | 446              | 0.39                                               | 0.27 | 536              | 0.39                                                 | 0.27 | 536              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 285  | 0.33                                               | 0.23 | 451              | 0.39                                               | 0.27 | 542              | 0.39                                                 | 0.27 | 542              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 290  | 0.33                                               | 0.23 | 457              | 0.40                                               | 0.28 | 547              | 0.40                                                 | 0.28 | 547              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 295  | 0.33                                               | 0.23 | 462              | 0.40                                               | 0.28 | 553              | 0.40                                                 | 0.28 | 553              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 300  | 0.34                                               | 0.24 | 468              | 0.41                                               | 0.28 | 559              | 0.41                                                 | 0.28 | 559              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 305  | 0.34                                               | 0.24 | 473              | 0.41                                               | 0.29 | 565              | 0.41                                                 | 0.29 | 565              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 310  | 0.35                                               | 0.24 | 478              | 0.41                                               | 0.29 | 571              | 0.41                                                 | 0.29 | 571              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 315  | 0.35                                               | 0.25 | 484              | 0.42                                               | 0.29 | 577              | 0.42                                                 | 0.29 | 577              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 320  | 0.35                                               | 0.25 | 489              | 0.42                                               | 0.30 | 583              | 0.42                                                 | 0.30 | 583              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 325  | 0.36                                               | 0.25 | 495              | 0.43                                               | 0.30 | 589              | 0.43                                                 | 0.30 | 589              | 2.62                                       | 1.78 | 3651             |                                                      |      |                  |
| 330  | 0.36                                               | 0.25 | 500              | 0.43                                               | 0.30 | 595              | 0.43                                                 | 0.30 | 595              | 2.62                                       | 1.78 | 3651             |                                                      |      |                  |
| 335  | 0.37                                               | 0.26 | 506              | 0.44                                               | 0.30 | 601              | 0.44                                                 | 0.30 | 601              | 2.62                                       | 1.78 | 3651             |                                                      |      |                  |
| 340  | 0.37                                               | 0.26 | 511              | 0.44                                               | 0.31 | 607              | 0.44                                                 | 0.31 | 607              | 2.62                                       | 1.78 | 3651             |                                                      |      |                  |

PLEASE NOTE: The Critical Temperatures in this loading table are the generally accepted UK "default temperatures". The ASFP 5th Edition Yellow Book gives new Critical Temperatures to comply with either the Eurocodes for steel design, or BS 5950-8: 2003. Alternative loading tables to the new Critical Temperatures are available from the Nullifire Technical Desk on request. For time periods above 90 minutes and for Hp/A above 340 m<sup>1</sup> please refer to Nullifire Technical Desk.

Red data indicates that, to achieve required fire performance rating for these applications and Hp/A, Nullifire recommends SC801-120 be used in preference to the table's main variant.



# SC802 Loading Tables

SC802  
Material Specification  
Specific Gravity: 1.38  
Volume Solids: 70% ± 3%

**Nullifire**  
Smart Protection

## 60 Minute Fire Protection

| Hp/A | 3 Sided Beam<br>I Section<br>Critical Temp: 620° C |      |                  | 4 Sided Beam<br>I Section<br>Critical Temp: 550° C |      |                  | 4 Sided Column<br>I Section<br>Critical Temp: 550° C |      |                  | Hollow<br>Columns<br>Critical Temp: 520° C |      |                  | 3 Sided Hollow<br>RHS Beams<br>Critical Temp: 620° C |      |                  |
|------|----------------------------------------------------|------|------------------|----------------------------------------------------|------|------------------|------------------------------------------------------|------|------------------|--------------------------------------------|------|------------------|------------------------------------------------------|------|------------------|
|      | WFT                                                | DFT  | g/m <sup>2</sup> | WFT                                                | DFT  | g/m <sup>2</sup> | WFT                                                  | DFT  | g/m <sup>2</sup> | WFT                                        | DFT  | g/m <sup>2</sup> | WFT                                                  | DFT  | g/m <sup>2</sup> |
| 40   | 0.26                                               | 0.18 | 357              | 0.28                                               | 0.19 | 380              | 0.28                                                 | 0.19 | 380              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 45   | 0.26                                               | 0.18 | 357              | 0.28                                               | 0.20 | 391              | 0.28                                                 | 0.20 | 391              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 50   | 0.26                                               | 0.18 | 357              | 0.29                                               | 0.20 | 402              | 0.29                                                 | 0.20 | 402              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 55   | 0.26                                               | 0.18 | 357              | 0.30                                               | 0.21 | 414              | 0.30                                                 | 0.21 | 414              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 60   | 0.26                                               | 0.18 | 357              | 0.31                                               | 0.22 | 425              | 0.31                                                 | 0.22 | 425              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 65   | 0.26                                               | 0.18 | 364              | 0.32                                               | 0.22 | 437              | 0.32                                                 | 0.22 | 437              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 70   | 0.27                                               | 0.19 | 376              | 0.32                                               | 0.23 | 448              | 0.32                                                 | 0.23 | 448              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 75   | 0.28                                               | 0.20 | 388              | 0.33                                               | 0.23 | 461              | 0.33                                                 | 0.23 | 461              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 80   | 0.29                                               | 0.20 | 399              | 0.34                                               | 0.24 | 475              | 0.34                                                 | 0.24 | 475              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 85   | 0.30                                               | 0.21 | 411              | 0.35                                               | 0.25 | 489              | 0.35                                                 | 0.25 | 489              | 0.52                                       | 0.37 | 720              | 0.52                                                 | 0.37 | 720              |
| 90   | 0.31                                               | 0.21 | 423              | 0.36                                               | 0.26 | 503              | 0.36                                                 | 0.26 | 503              | 0.57                                       | 0.40 | 790              | 0.52                                                 | 0.37 | 720              |
| 95   | 0.31                                               | 0.22 | 435              | 0.37                                               | 0.26 | 517              | 0.37                                                 | 0.26 | 517              | 0.77                                       | 0.54 | 1067             | 0.52                                                 | 0.37 | 720              |
| 100  | 0.32                                               | 0.23 | 446              | 0.38                                               | 0.27 | 531              | 0.38                                                 | 0.27 | 531              | 0.97                                       | 0.68 | 1345             | 0.52                                                 | 0.37 | 720              |
| 105  | 0.33                                               | 0.23 | 458              | 0.39                                               | 0.28 | 545              | 0.39                                                 | 0.28 | 545              | 1.09                                       | 0.76 | 1508             | 0.52                                                 | 0.37 | 720              |
| 110  | 0.34                                               | 0.24 | 470              | 0.40                                               | 0.28 | 559              | 0.40                                                 | 0.28 | 559              | 1.13                                       | 0.79 | 1559             | 0.52                                                 | 0.37 | 720              |
| 115  | 0.35                                               | 0.24 | 482              | 0.42                                               | 0.29 | 573              | 0.42                                                 | 0.29 | 573              | 1.17                                       | 0.82 | 1609             | 0.52                                                 | 0.37 | 720              |
| 120  | 0.36                                               | 0.25 | 493              | 0.43                                               | 0.30 | 587              | 0.43                                                 | 0.30 | 587              | 1.20                                       | 0.84 | 1660             | 0.52                                                 | 0.37 | 720              |
| 125  | 0.37                                               | 0.26 | 505              | 0.44                                               | 0.30 | 601              | 0.44                                                 | 0.30 | 601              | 1.24                                       | 0.87 | 1711             | 0.52                                                 | 0.37 | 720              |
| 130  | 0.37                                               | 0.26 | 517              | 0.45                                               | 0.31 | 615              | 0.45                                                 | 0.31 | 615              | 1.28                                       | 0.89 | 1761             | 0.52                                                 | 0.37 | 720              |
| 135  | 0.38                                               | 0.27 | 529              | 0.46                                               | 0.32 | 628              | 0.46                                                 | 0.32 | 628              | 1.31                                       | 0.92 | 1812             | 0.52                                                 | 0.37 | 720              |
| 140  | 0.39                                               | 0.27 | 540              | 0.47                                               | 0.33 | 642              | 0.47                                                 | 0.33 | 642              | 1.35                                       | 0.94 | 1862             | 0.55                                                 | 0.39 | 760              |
| 145  | 0.40                                               | 0.28 | 552              | 0.48                                               | 0.33 | 656              | 0.48                                                 | 0.33 | 656              | 1.39                                       | 0.97 | 1913             | 0.60                                                 | 0.42 | 823              |
| 150  | 0.41                                               | 0.29 | 564              | 0.49                                               | 0.34 | 670              | 0.49                                                 | 0.34 | 670              | 1.42                                       | 1.00 | 1964             | 0.64                                                 | 0.45 | 885              |
| 155  | 0.42                                               | 0.29 | 576              | 0.50                                               | 0.35 | 684              | 0.50                                                 | 0.35 | 684              | 1.46                                       | 1.02 | 2014             | 0.69                                                 | 0.48 | 948              |
| 160  | 0.43                                               | 0.30 | 588              | 0.51                                               | 0.35 | 698              | 0.51                                                 | 0.35 | 698              | 1.50                                       | 1.05 | 2065             | 0.73                                                 | 0.51 | 1010             |
| 165  | 0.43                                               | 0.30 | 599              | 0.52                                               | 0.36 | 712              | 0.52                                                 | 0.36 | 712              | 1.53                                       | 1.07 | 2116             | 0.78                                                 | 0.54 | 1072             |
| 170  | 0.44                                               | 0.31 | 611              | 0.53                                               | 0.37 | 726              | 0.53                                                 | 0.37 | 726              | 1.57                                       | 1.10 | 2166             | 0.82                                                 | 0.58 | 1135             |
| 175  | 0.45                                               | 0.32 | 623              | 0.54                                               | 0.38 | 740              | 0.54                                                 | 0.38 | 740              | 1.61                                       | 1.12 | 2217             | 0.87                                                 | 0.61 | 1197             |
| 180  | 0.46                                               | 0.32 | 635              | 0.55                                               | 0.38 | 754              | 0.55                                                 | 0.38 | 754              | 1.64                                       | 1.15 | 2267             | 0.91                                                 | 0.64 | 1259             |
| 185  | 0.47                                               | 0.33 | 646              | 0.56                                               | 0.39 | 768              | 0.56                                                 | 0.39 | 768              | 1.68                                       | 1.18 | 2318             | 0.96                                                 | 0.67 | 1322             |
| 190  | 0.48                                               | 0.33 | 658              | 0.57                                               | 0.40 | 782              | 0.57                                                 | 0.40 | 782              | 1.72                                       | 1.20 | 2369             | 1.00                                                 | 0.70 | 1384             |
| 195  | 0.49                                               | 0.34 | 670              | 0.58                                               | 0.40 | 796              | 0.58                                                 | 0.40 | 796              | 1.75                                       | 1.23 | 2419             | 1.05                                                 | 0.73 | 1446             |
| 200  | 0.49                                               | 0.35 | 682              | 0.59                                               | 0.41 | 809              | 0.59                                                 | 0.41 | 809              | 1.79                                       | 1.25 | 2470             | 1.12                                                 | 0.78 | 1545             |
| 205  | 0.50                                               | 0.35 | 693              | 0.60                                               | 0.42 | 823              | 0.60                                                 | 0.42 | 823              | 1.83                                       | 1.28 | 2521             |                                                      |      |                  |
| 210  | 0.51                                               | 0.36 | 705              | 0.61                                               | 0.42 | 837              | 0.61                                                 | 0.42 | 837              | 4.88                                       | 3.32 | 6808             |                                                      |      |                  |
| 215  | 0.52                                               | 0.36 | 717              | 0.62                                               | 0.43 | 852              | 0.62                                                 | 0.43 | 852              | 5.04                                       | 3.43 | 7029             |                                                      |      |                  |
| 220  | 0.53                                               | 0.37 | 729              | 0.63                                               | 0.44 | 875              | 0.63                                                 | 0.44 | 875              | 5.12                                       | 3.48 | 7140             |                                                      |      |                  |
| 225  | 0.54                                               | 0.38 | 740              | 0.65                                               | 0.46 | 898              | 0.65                                                 | 0.46 | 898              | 5.18                                       | 3.52 | 7222             |                                                      |      |                  |
| 230  | 0.55                                               | 0.38 | 752              | 0.67                                               | 0.47 | 921              | 0.67                                                 | 0.47 | 921              | 5.24                                       | 3.56 | 7304             |                                                      |      |                  |
| 235  | 0.55                                               | 0.39 | 764              | 0.68                                               | 0.48 | 944              | 0.68                                                 | 0.48 | 944              | 5.30                                       | 3.60 | 7386             |                                                      |      |                  |
| 240  | 0.56                                               | 0.39 | 776              | 0.70                                               | 0.49 | 966              | 0.70                                                 | 0.49 | 966              | 5.36                                       | 3.64 | 7466             |                                                      |      |                  |
| 245  | 0.57                                               | 0.40 | 787              | 0.72                                               | 0.50 | 989              | 0.72                                                 | 0.50 | 989              | 5.41                                       | 3.68 | 7548             |                                                      |      |                  |
| 250  | 0.58                                               | 0.41 | 799              | 0.73                                               | 0.51 | 1012             | 0.73                                                 | 0.51 | 1012             | 5.47                                       | 3.72 | 7630             |                                                      |      |                  |
| 255  | 0.59                                               | 0.41 | 811              | 0.75                                               | 0.53 | 1035             | 0.75                                                 | 0.53 | 1035             | 5.53                                       | 3.76 | 7712             |                                                      |      |                  |
| 260  | 0.60                                               | 0.42 | 823              | 0.77                                               | 0.54 | 1058             | 0.77                                                 | 0.54 | 1058             | 5.59                                       | 3.80 | 7794             |                                                      |      |                  |
| 265  | 0.60                                               | 0.42 | 835              | 0.78                                               | 0.55 | 1081             | 0.78                                                 | 0.55 | 1081             | 5.65                                       | 3.84 | 7876             |                                                      |      |                  |
| 270  | 0.62                                               | 0.43 | 851              | 0.80                                               | 0.56 | 1104             | 0.80                                                 | 0.56 | 1104             | 5.71                                       | 3.88 | 7958             |                                                      |      |                  |
| 275  | 0.63                                               | 0.44 | 871              | 0.82                                               | 0.57 | 1127             | 0.82                                                 | 0.57 | 1127             | 5.77                                       | 3.92 | 8040             |                                                      |      |                  |
| 280  | 0.65                                               | 0.45 | 891              | 0.83                                               | 0.58 | 1149             | 0.83                                                 | 0.58 | 1149             | 5.83                                       | 3.96 | 8122             |                                                      |      |                  |
| 285  | 0.66                                               | 0.46 | 911              | 0.85                                               | 0.59 | 1172             | 0.85                                                 | 0.59 | 1172             | 5.88                                       | 4.00 | 8202             |                                                      |      |                  |
| 290  | 0.67                                               | 0.47 | 931              | 0.87                                               | 0.61 | 1195             | 0.87                                                 | 0.61 | 1195             | 5.94                                       | 4.04 | 8284             |                                                      |      |                  |
| 295  | 0.69                                               | 0.48 | 951              | 0.88                                               | 0.62 | 1218             | 0.88                                                 | 0.62 | 1218             | 6.00                                       | 4.08 | 8366             |                                                      |      |                  |
| 300  | 0.70                                               | 0.49 | 972              | 0.90                                               | 0.63 | 1241             | 0.90                                                 | 0.63 | 1241             | 6.06                                       | 4.12 | 8448             |                                                      |      |                  |
| 305  | 0.72                                               | 0.50 | 992              | 0.92                                               | 0.64 | 1264             | 0.92                                                 | 0.64 | 1264             | 6.12                                       | 4.16 | 8530             |                                                      |      |                  |
| 310  | 0.73                                               | 0.51 | 1012             | 0.93                                               | 0.65 | 1287             | 0.93                                                 | 0.65 | 1287             | 6.18                                       | 4.20 | 8612             |                                                      |      |                  |
| 315  | 0.75                                               | 0.52 | 1032             | 0.95                                               | 0.66 | 1309             | 0.95                                                 | 0.66 | 1309             | 6.24                                       | 4.24 | 8694             |                                                      |      |                  |
| 320  | 0.76                                               | 0.53 | 1052             | 0.97                                               | 0.68 | 1332             | 0.97                                                 | 0.68 | 1332             | 6.30                                       | 4.28 | 8776             |                                                      |      |                  |
| 325  | 0.78                                               | 0.54 | 1072             | 0.98                                               | 0.69 | 1355             | 0.98                                                 | 0.69 | 1355             | 6.35                                       | 4.32 | 8858             |                                                      |      |                  |
| 330  | 0.79                                               | 0.55 | 1092             | 1.00                                               | 0.70 | 1378             | 1.00                                                 | 0.70 | 1378             | 6.41                                       | 4.36 | 8940             |                                                      |      |                  |
| 335  | 0.81                                               | 0.56 | 1112             | 1.02                                               | 0.71 | 1401             | 1.02                                                 | 0.71 | 1401             | 6.47                                       | 4.40 | 9020             |                                                      |      |                  |
| 340  | 0.82                                               | 0.57 | 1133             | 2.47                                               | 1.68 | 3438             | 2.47                                                 | 1.68 | 3438             | 6.53                                       | 4.44 | 9102             |                                                      |      |                  |

PLEASE NOTE: The Critical Temperatures in this loading table are the generally accepted UK "default temperatures". The ASFP 5th Edition Yellow Book gives new Critical Temperatures to comply with either the Eurocodes for steel design, or BS 5950-8: 2003. Alternative loading tables to the new Critical Temperatures are available from the Nullifire Technical Desk on request. For time periods above 90 minutes and for Hp/A above 340 m<sup>1</sup> please refer to Nullifire Technical Desk.

Red data indicates that, to achieve required fire performance rating for these applications and Hp/A, Nullifire recommends SC801-120 be used in preference to the table's main variant.



# SC802 Loading Tables

SC802  
Material Specification  
Specific Gravity: 1.38  
Volume Solids: 70% ± 3%

**Nullifire**  
Smart Protection

## 90 Minute Fire Protection

| Hp/A | 3 Sided Beam<br>I Section<br>Critical Temp: 620° C |      |                  | 4 Sided Beam<br>I Section<br>Critical Temp: 550° C |      |                  | 4 Sided Column<br>I Section<br>Critical Temp: 550° C |      |                  | Hollow<br>Columns<br>Critical Temp: 520° C |      |                  | CHS<br>Columns<br>Critical Temp: 520° C |      |                  | 3 Sided Hollow<br>RHS Beams<br>Critical Temp: 620° C |      |                  |
|------|----------------------------------------------------|------|------------------|----------------------------------------------------|------|------------------|------------------------------------------------------|------|------------------|--------------------------------------------|------|------------------|-----------------------------------------|------|------------------|------------------------------------------------------|------|------------------|
|      | WFT                                                | DFT  | g/m <sup>2</sup> | WFT                                                | DFT  | g/m <sup>2</sup> | WFT                                                  | DFT  | g/m <sup>2</sup> | WFT                                        | DFT  | g/m <sup>2</sup> | WFT                                     | DFT  | g/m <sup>2</sup> | WFT                                                  | DFT  | g/m <sup>2</sup> |
| 40   | 0.26                                               | 0.18 | 357              | 0.63                                               | 0.44 | 870              | 0.63                                                 | 0.44 | 870              | 0.96                                       | 0.69 | 1294             | 2.62                                    | 1.78 | 3651             | 0.75                                                 | 0.52 | 1033             |
| 45   | 0.30                                               | 0.21 | 414              | 0.64                                               | 0.45 | 887              | 0.64                                                 | 0.45 | 887              | 1.43                                       | 1.03 | 1931             | 2.62                                    | 1.78 | 3651             | 0.75                                                 | 0.52 | 1033             |
| 50   | 0.35                                               | 0.24 | 477              | 0.66                                               | 0.46 | 905              | 0.66                                                 | 0.46 | 905              | 1.43                                       | 1.03 | 1931             | 2.62                                    | 1.78 | 3651             | 0.75                                                 | 0.52 | 1033             |
| 55   | 0.39                                               | 0.27 | 541              | 0.67                                               | 0.47 | 922              | 0.67                                                 | 0.47 | 922              | 1.43                                       | 1.03 | 1931             | 2.62                                    | 1.78 | 3651             | 0.75                                                 | 0.52 | 1033             |
| 60   | 0.44                                               | 0.31 | 604              | 0.68                                               | 0.48 | 940              | 0.68                                                 | 0.48 | 940              | 1.43                                       | 1.03 | 1931             | 2.62                                    | 1.78 | 3651             | 0.75                                                 | 0.52 | 1033             |
| 65   | 0.48                                               | 0.34 | 667              | 0.69                                               | 0.49 | 957              | 0.69                                                 | 0.49 | 957              | 2.13                                       | 1.53 | 2869             | 2.62                                    | 1.78 | 3651             | 0.75                                                 | 0.52 | 1033             |
| 70   | 0.53                                               | 0.37 | 731              | 0.71                                               | 0.49 | 975              | 0.71                                                 | 0.49 | 975              | 2.13                                       | 1.53 | 2869             | 2.62                                    | 1.78 | 3651             | 0.75                                                 | 0.52 | 1033             |
| 75   | 0.58                                               | 0.40 | 794              | 0.72                                               | 0.50 | 992              | 0.72                                                 | 0.50 | 992              | 2.13                                       | 1.53 | 2869             | 2.62                                    | 1.78 | 3651             | 0.75                                                 | 0.52 | 1033             |
| 80   | 0.61                                               | 0.43 | 845              | 0.73                                               | 0.51 | 1010             | 0.73                                                 | 0.51 | 1010             | 2.13                                       | 1.53 | 2869             | 2.62                                    | 1.78 | 3651             | 0.75                                                 | 0.52 | 1033             |
| 85   | 0.63                                               | 0.44 | 865              | 0.74                                               | 0.52 | 1027             | 0.74                                                 | 0.52 | 1027             | 2.13                                       | 1.53 | 2869             | 2.79                                    | 1.90 | 3888             | 0.80                                                 | 0.56 | 1106             |
| 90   | 0.64                                               | 0.45 | 885              | 0.76                                               | 0.53 | 1044             | 0.76                                                 | 0.53 | 1044             | 2.13                                       | 1.53 | 2869             | 2.98                                    | 2.03 | 4158             | 0.85                                                 | 0.60 | 1178             |
| 95   | 0.66                                               | 0.46 | 904              | 0.77                                               | 0.54 | 1062             | 0.77                                                 | 0.54 | 1062             | 2.13                                       | 1.53 | 2869             | 3.18                                    | 2.16 | 4428             | 0.91                                                 | 0.63 | 1250             |
| 100  | 0.67                                               | 0.47 | 924              | 0.78                                               | 0.55 | 1079             | 0.78                                                 | 0.55 | 1079             | 2.13                                       | 1.53 | 2869             | 3.37                                    | 2.29 | 4698             | 0.96                                                 | 0.67 | 1322             |
| 105  | 0.68                                               | 0.48 | 944              | 0.79                                               | 0.56 | 1097             | 0.79                                                 | 0.56 | 1097             | 3.56                                       | 2.42 | 4968             | 3.56                                    | 2.42 | 4968             | 1.01                                                 | 0.71 | 1395             |
| 110  | 0.70                                               | 0.49 | 964              | 0.81                                               | 0.57 | 1114             | 0.81                                                 | 0.57 | 1114             | 3.76                                       | 2.56 | 5238             | 3.76                                    | 2.56 | 5238             | 1.06                                                 | 0.74 | 1467             |
| 115  | 0.71                                               | 0.50 | 983              | 0.82                                               | 0.57 | 1132             | 0.82                                                 | 0.57 | 1132             | 3.95                                       | 2.69 | 5508             | 3.95                                    | 2.69 | 5508             | 1.12                                                 | 0.78 | 1539             |
| 120  | 0.73                                               | 0.51 | 1003             | 0.83                                               | 0.58 | 1149             | 0.83                                                 | 0.58 | 1149             | 4.15                                       | 2.82 | 5778             | 4.15                                    | 2.82 | 5778             |                                                      |      |                  |
| 125  | 0.74                                               | 0.52 | 1023             | 0.85                                               | 0.59 | 1167             | 0.85                                                 | 0.59 | 1167             | 4.34                                       | 2.95 | 6048             | 4.34                                    | 2.95 | 6048             |                                                      |      |                  |
| 130  | 0.76                                               | 0.53 | 1043             | 0.86                                               | 0.60 | 1184             | 0.86                                                 | 0.60 | 1184             | 4.53                                       | 3.08 | 6318             | 4.53                                    | 3.08 | 6318             |                                                      |      |                  |
| 135  | 0.77                                               | 0.54 | 1062             | 0.87                                               | 0.61 | 1202             | 0.87                                                 | 0.61 | 1202             | 4.73                                       | 3.21 | 6588             | 4.73                                    | 3.21 | 6588             |                                                      |      |                  |
| 140  | 0.78                                               | 0.55 | 1082             | 0.88                                               | 0.62 | 1219             | 0.88                                                 | 0.62 | 1219             | 4.92                                       | 3.35 | 6859             | 4.92                                    | 3.35 | 6859             |                                                      |      |                  |
| 145  | 0.80                                               | 0.56 | 1102             | 0.90                                               | 0.63 | 1237             | 0.90                                                 | 0.63 | 1237             | 5.12                                       | 3.48 | 7133             | 5.12                                    | 3.48 | 7133             |                                                      |      |                  |
| 150  | 0.81                                               | 0.57 | 1121             | 0.91                                               | 0.64 | 1254             | 0.91                                                 | 0.64 | 1254             | 5.33                                       | 3.62 | 7427             | 5.32                                    | 3.62 | 7423             |                                                      |      |                  |
| 155  | 0.83                                               | 0.58 | 1141             | 0.92                                               | 0.65 | 1272             | 0.92                                                 | 0.65 | 1272             | 5.54                                       | 3.77 | 7720             | 5.53                                    | 3.76 | 7713             |                                                      |      |                  |
| 160  | 0.84                                               | 0.59 | 1161             | 0.93                                               | 0.65 | 1289             | 0.93                                                 | 0.65 | 1289             | 5.75                                       | 3.91 | 8014             | 5.74                                    | 3.90 | 8003             |                                                      |      |                  |
| 165  | 0.86                                               | 0.60 | 1181             | 0.95                                               | 0.66 | 1307             | 0.95                                                 | 0.66 | 1307             | 5.96                                       | 4.05 | 8307             | 5.95                                    | 4.05 | 8293             |                                                      |      |                  |
| 170  | 0.87                                               | 0.61 | 1200             | 0.96                                               | 0.67 | 1324             | 0.96                                                 | 0.67 | 1324             | 6.17                                       | 4.20 | 8600             | 6.16                                    | 4.19 | 8584             |                                                      |      |                  |
| 175  | 0.88                                               | 0.62 | 1220             | 0.97                                               | 0.68 | 1342             | 0.97                                                 | 0.68 | 1342             | 6.38                                       | 4.34 | 8894             | 6.37                                    | 4.33 | 8874             |                                                      |      |                  |
| 180  | 0.90                                               | 0.63 | 1240             | 0.98                                               | 0.69 | 1359             | 0.98                                                 | 0.69 | 1359             | 6.59                                       | 4.48 | 9187             | 6.57                                    | 4.47 | 9164             |                                                      |      |                  |
| 185  | 0.91                                               | 0.64 | 1259             | 1.00                                               | 0.70 | 1377             | 1.00                                                 | 0.70 | 1377             | 6.80                                       | 4.62 | 9481             | 6.78                                    | 4.61 | 9454             |                                                      |      |                  |
| 190  | 0.93                                               | 0.65 | 1279             | 1.01                                               | 0.71 | 1394             | 1.01                                                 | 0.71 | 1394             | 7.01                                       | 4.77 | 9774             | 6.99                                    | 4.75 | 9745             |                                                      |      |                  |
| 195  | 0.94                                               | 0.66 | 1299             | 2.79                                               | 1.90 | 3893             | 2.79                                                 | 1.90 | 3893             | 7.22                                       | 4.91 | 10068            | 7.20                                    | 4.90 | 10035            |                                                      |      |                  |
| 200  | 2.10                                               | 1.43 | 2924             | 2.86                                               | 1.95 | 3990             | 2.86                                                 | 1.95 | 3990             | 7.70                                       | 5.23 | 10730            | 7.68                                    | 5.22 | 10705            |                                                      |      |                  |
| 205  | 2.14                                               | 1.46 | 2984             | 2.93                                               | 1.99 | 4086             | 2.93                                                 | 1.99 | 4086             | 8.17                                       | 5.56 | 11393            | 8.16                                    | 5.55 | 11375            |                                                      |      |                  |
| 210  | 2.18                                               | 1.49 | 3045             | 3.00                                               | 2.04 | 4182             | 3.00                                                 | 2.04 | 4182             | 8.65                                       | 5.88 | 12055            | 8.64                                    | 5.88 | 12045            |                                                      |      |                  |
| 215  | 2.23                                               | 1.52 | 3106             | 3.07                                               | 2.09 | 4279             | 3.07                                                 | 2.09 | 4279             | 9.12                                       | 6.20 | 12718            | 9.12                                    | 6.20 | 12715            |                                                      |      |                  |
| 220  | 2.27                                               | 1.54 | 3166             | 3.14                                               | 2.13 | 4375             | 3.14                                                 | 2.13 | 4375             | 9.37                                       | 6.37 | 13069            | 9.37                                    | 6.37 | 13069            |                                                      |      |                  |
| 225  | 2.32                                               | 1.57 | 3227             | 3.21                                               | 2.18 | 4471             | 3.21                                                 | 2.18 | 4471             | 9.48                                       | 6.44 | 13212            | 9.48                                    | 6.44 | 13212            |                                                      |      |                  |
| 230  | 2.36                                               | 1.60 | 3288             | 3.28                                               | 2.23 | 4568             | 3.28                                                 | 2.23 | 4568             | 9.58                                       | 6.51 | 13355            | 9.58                                    | 6.51 | 13355            |                                                      |      |                  |
| 235  | 2.40                                               | 1.63 | 3349             | 3.35                                               | 2.28 | 4664             | 3.35                                                 | 2.28 | 4664             | 9.68                                       | 6.58 | 13498            | 9.68                                    | 6.58 | 13498            |                                                      |      |                  |
| 240  | 2.45                                               | 1.66 | 3409             | 3.42                                               | 2.32 | 4761             | 3.42                                                 | 2.32 | 4761             | 9.79                                       | 6.65 | 13641            | 9.79                                    | 6.65 | 13641            |                                                      |      |                  |
| 245  | 2.51                                               | 1.71 | 3505             | 3.48                                               | 2.37 | 4857             | 3.48                                                 | 2.37 | 4857             | 9.89                                       | 6.72 | 13784            | 9.89                                    | 6.72 | 13784            |                                                      |      |                  |
| 250  | 2.59                                               | 1.76 | 3610             | 3.55                                               | 2.42 | 4953             | 3.55                                                 | 2.42 | 4953             | 9.99                                       | 6.79 | 13927            | 9.99                                    | 6.79 | 13927            |                                                      |      |                  |
| 255  | 2.67                                               | 1.81 | 3715             | 3.62                                               | 2.46 | 5050             | 3.62                                                 | 2.46 | 5050             | 10.09                                      | 6.86 | 14070            | 10.09                                   | 6.86 | 14070            |                                                      |      |                  |
| 260  | 2.74                                               | 1.86 | 3820             | 3.69                                               | 2.51 | 5146             | 3.69                                                 | 2.51 | 5146             | 10.20                                      | 6.93 | 14214            | 10.20                                   | 6.93 | 14214            |                                                      |      |                  |
| 265  | 2.82                                               | 1.91 | 3925             | 3.76                                               | 2.56 | 5242             | 3.76                                                 | 2.56 | 5242             | 10.30                                      | 7.00 | 14357            | 10.30                                   | 7.00 | 14357            |                                                      |      |                  |
| 270  | 2.89                                               | 1.97 | 4030             | 3.83                                               | 2.60 | 5339             | 3.83                                                 | 2.60 | 5339             | 10.40                                      | 7.07 | 14500            | 10.40                                   | 7.07 | 14500            |                                                      |      |                  |
| 275  | 2.97                                               | 2.02 | 4135             | 3.90                                               | 2.65 | 5435             | 3.90                                                 | 2.65 | 5435             | 10.50                                      | 7.14 | 14643            | 10.50                                   | 7.14 | 14643            |                                                      |      |                  |
| 280  | 3.04                                               | 2.07 | 4240             | 3.97                                               | 2.70 | 5531             | 3.97                                                 | 2.70 | 5531             | 10.61                                      | 7.21 | 14786            | 10.61                                   | 7.21 | 14786            |                                                      |      |                  |
| 285  | 3.12                                               | 2.12 | 4345             | 4.04                                               | 2.75 | 5628             | 4.04                                                 | 2.75 | 5628             | 10.71                                      | 7.28 | 14929            | 10.71                                   | 7.28 | 14929            |                                                      |      |                  |
| 290  | 3.19                                               | 2.17 | 4449             | 4.14                                               | 2.82 | 5778             | 4.14                                                 | 2.82 | 5778             | 10.81                                      | 7.35 | 15072            | 10.81                                   | 7.35 | 15072            |                                                      |      |                  |
| 295  | 3.27                                               | 2.22 | 4554             | 4.28                                               | 2.91 | 5965             | 4.28                                                 | 2.91 | 5965             | 10.92                                      | 7.42 | 15216            | 10.92                                   | 7.42 | 15216            |                                                      |      |                  |
| 300  | 3.34                                               | 2.27 | 4659             | 4.41                                               | 3.00 | 6151             | 4.41                                                 | 3.00 | 6151             | 11.02                                      | 7.49 | 15359            | 11.02                                   | 7.49 | 15359            |                                                      |      |                  |
| 305  | 3.42                                               | 2.32 | 4764             | 4.55                                               | 3.09 | 6338             | 4.55                                                 | 3.09 | 6338             | 11.12                                      | 7.56 | 15502            | 11.12                                   | 7.56 | 15502            |                                                      |      |                  |
| 310  | 3.49                                               | 2.38 | 4869             | 4.68                                               | 3.18 | 6524             | 4.68                                                 | 3.18 | 6524             | 11.22                                      | 7.63 | 15645            | 11.22                                   | 7.63 | 15645            |                                                      |      |                  |
| 315  | 3.57                                               | 2.43 | 4974             | 4.81                                               | 3.27 | 6711             | 4.81                                                 | 3.27 | 6711             | 11.33                                      | 7.70 | 15788            | 11.33                                   | 7.70 | 15788            |                                                      |      |                  |
| 320  | 3.64                                               | 2.48 | 5079             | 4.95                                               | 3.36 | 6897             | 4.95                                                 | 3.36 | 6897             | 11.43                                      | 7.77 | 15931            | 11.43                                   | 7.77 | 15931            |                                                      |      |                  |
| 325  | 3.72                                               | 2.53 | 5184             | 5.08                                               | 3.46 | 7083             | 5.08                                                 | 3.46 | 7083             | 11.53                                      | 7.84 | 16074            | 11.53                                   | 7.84 | 16074            |                                                      |      |                  |
| 330  | 3.79                                               | 2.58 | 5289             | 5.22                                               | 3.55 | 7270             | 5.22                                                 | 3.55 | 7270             | 11.63                                      | 7.91 | 16218            | 11.63                                   | 7.91 | 16218            |                                                      |      |                  |
| 335  | 3.87                                               | 2.63 | 5393             | 5.35                                               | 3.64 | 7456             | 5.35                                                 | 3.64 | 7456             | 11.74                                      | 7.98 | 16361            | 11.74                                   | 7.98 | 16361            |                                                      |      |                  |
| 340  | 3.94                                               | 2.68 | 5498             | 5.48                                               | 3.73 | 7643             | 5.48                                                 | 3.73 | 7643             | 11.84                                      | 8.05 | 16504            | 11.84                                   | 8.05 | 16504            |                                                      |      |                  |

PLEASE NOTE: The Critical Temperatures in this loading table are the generally accepted UK "default temperatures". The ASFP 5th Edition Yellow Book gives new Critical Temperatures to comply with either the Eurocodes for steel design, or BS 5950-8: 2003. Alternative loading tables to the new Critical Temperatures are available from the Nullifire Technical Desk on request. For time periods above 90 minutes and for Hp/A above 340 m<sup>3</sup> please refer to Nullifire Technical Desk.

Blue data indicates that, to achieve required fire performance rating for these applications and Hp/A, Nullifire recommends S707-60 be used in preference to the table's main variant.

Red data indicates that, to achieve required fire performance rating for these applications and Hp/A, Nullifire recommends SC801-120 be used in preference to the table's main variant.