# Declaration of Performance

No. 202009-1011

Florence 2 Column 2000mm

| | |
|---|---|
| **Unique product code:** | SMC-F2C-2002 |
| **Type, batch or serial number:** | SMC-F2C-2002 |
| **Intended use of the construction product:** | In heating systems in buildings |
| **Manufacturer:** | Castrads Ltd<br>1 Kenwood Road North Reddish SK5 6PH, Manchester, United Kingdom |
| **System of AVCP:** | System 3 |
| **Harmonized standard:** | EN 442-1:2014 |
| **Notified body:** | Politecnico di Milano |
| **Test report number:** | ENE/MRT.RES.01003_A |

## Declared performance

| Essential characteristics | Performance | Harmonised technical specification |
|---|---|---|
| Reaction to fire | A1 | EN 442-1:2014 |
| Release of dangerous substances | None | |
| Pressure tightness | No leakage at 1.3 x maximum operating pressure [kPa] | |
| Surface temperature | Maximum 120°C | |
| Resistance to pressure | No breakage at 1.69 x maximum operating pressure [kPa]<br>Maximum operating pressure: 1000 [kPa] | |
| Rated thermal outputs | See appendix 1 | |
| Thermal output in different operating conditions (characteristic curve) | $\varphi = Km \bullet \Delta T^n$.<br>See appendix for factor Km and exponent n | |
| Resistance against corrosion | No corrosion after 100h humidity | |
| Resistance against minor impact: | Class 0 | |

**Signed for and on behalf of the manufacturer by:**
Nicholas Baylis
CEO
Stockport, England
16th October 2026

Castrads®

## Appendix to DOP No. 202009-1011: Dimensions and thermal outputs

Panel dimensions: 2102mm high when floor standing, 67mm deep for all numbers of sections. See table for length.

| SKU | Num of sec. | Length, mm | Output (Watts, DT50) | Output (Watts, DT30) | Factor, Km | Exponent, n |
|---|---|---|---|---|---|---|
| SMC-F2C-2002-03 | 3 | 165 | 417 | 213 | 2.395 | 1.3189 |
| SMC-F2C-2002-04 | 4 | 210 | 556 | 283 | 3.193 | 1.3189 |
| SMC-F2C-2002-05 | 5 | 255 | 695 | 354 | 3.992 | 1.3189 |
| SMC-F2C-2002-06 | 6 | 300 | 834 | 425 | 4.790 | 1.3189 |
| SMC-F2C-2002-07 | 7 | 345 | 973 | 496 | 5.588 | 1.3189 |
| SMC-F2C-2002-08 | 8 | 390 | 1112 | 567 | 6.387 | 1.3189 |
| SMC-F2C-2002-09 | 9 | 435 | 1251 | 638 | 7.185 | 1.3189 |
| SMC-F2C-2002-10 | 10 | 480 | 1390 | 709 | 7.983 | 1.3189 |
| SMC-F2C-2002-11 | 11 | 525 | 1529 | 779 | 8.782 | 1.3189 |
| SMC-F2C-2002-12 | 12 | 570 | 1668 | 850 | 9.580 | 1.3189 |
| SMC-F2C-2002-13 | 13 | 615 | 1807 | 921 | 10.378 | 1.3189 |
| SMC-F2C-2002-14 | 14 | 660 | 1946 | 992 | 11.176 | 1.3189 |
| SMC-F2C-2002-15 | 15 | 705 | 2085 | 1063 | 11.975 | 1.3189 |
| SMC-F2C-2002-16 | 16 | 750 | 2224 | 1134 | 12.773 | 1.3189 |
| SMC-F2C-2002-17 | 17 | 795 | 2363 | 1205 | 13.571 | 1.3189 |
| SMC-F2C-2002-18 | 18 | 840 | 2502 | 1276 | 14.370 | 1.3189 |
| SMC-F2C-2002-19 | 19 | 885 | 2641 | 1346 | 15.168 | 1.3189 |
| SMC-F2C-2002-20 | 20 | 930 | 2780 | 1417 | 15.966 | 1.3189 |
| SMC-F2C-2002-21 | 21 | 975 | 2919 | 1488 | 16.765 | 1.3189 |
| SMC-F2C-2002-22 | 22 | 1020 | 3058 | 1559 | 17.563 | 1.3189 |
| SMC-F2C-2002-23 | 23 | 1065 | 3197 | 1630 | 18.361 | 1.3189 |
| SMC-F2C-2002-24 | 24 | 1110 | 3336 | 1701 | 19.160 | 1.3189 |
| SMC-F2C-2002-25 | 25 | 1155 | 3475 | 1772 | 19.958 | 1.3189 |
| SMC-F2C-2002-26 | 26 | 1200 | 3614 | 1842 | 20.756 | 1.3189 |
| SMC-F2C-2002-27 | 27 | 1245 | 3753 | 1913 | 21.555 | 1.3189 |
| SMC-F2C-2002-28 | 28 | 1290 | 3892 | 1984 | 22.353 | 1.3189 |
| SMC-F2C-2002-29 | 29 | 1335 | 4031 | 2055 | 23.151 | 1.3189 |
| SMC-F2C-2002-30 | 30 | 1380 | 4170 | 2126 | 23.950 | 1.3189 |
| SMC-F2C-2002-31 | 31 | 1425 | 4309 | 2197 | 24.748 | 1.3189 |
| SMC-F2C-2002-32 | 32 | 1470 | 4448 | 2268 | 25.546 | 1.3189 |
| SMC-F2C-2002-33 | 33 | 1515 | 4587 | 2338 | 26.345 | 1.3189 |
| SMC-F2C-2002-34 | 34 | 1560 | 4726 | 2409 | 27.143 | 1.3189 |
| SMC-F2C-2002-35 | 35 | 1605 | 4865 | 2480 | 27.941 | 1.3189 |
| SMC-F2C-2002-36 | 36 | 1650 | 5004 | 2551 | 28.740 | 1.3189 |
| SMC-F2C-2002-37 | 37 | 1695 | 5143 | 2622 | 29.538 | 1.3189 |
| SMC-F2C-2002-38 | 38 | 1740 | 5282 | 2693 | 30.336 | 1.3189 |
| SMC-F2C-2002-39 | 39 | 1785 | 5421 | 2764 | 31.134 | 1.3189 |
| SMC-F2C-2002-40 | 40 | 1830 | 5560 | 2834 | 31.933 | 1.3189 |