Declaration of Performance

No. 202009-1041

Florence 4 Column 2000mm

Unique product code:	SMC-F4C-2002
Type, batch or serial number:	SMC-F4C-2002
Intended use of the construction product:	In heating systems in buildings
Manufacturer:	Castrads Ltd 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.ITPL.01005

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] Maximum operating pressure: 1000 [kPa]	
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\varphi = Km \bullet \Delta T^n$. 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
4th November 2026



Castrads®

Appendix to DOP No. 202009-1041: Dimensions and thermal outputs

Panel dimensions: 2102mm high when floor standing, 141mm 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-F4C-2002-03	3	165	714	365	4.141	1.3165
SMC-F4C-2002-04	4	210	952	486	5.522	1.3165
SMC-F4C-2002-05	5	255	1190	608	6.902	1.3165
SMC-F4C-2002-06	6	300	1429	729	8.283	1.3165
SMC-F4C-2002-07	7	345	1667	851	9.663	1.3165
SMC-F4C-2002-08	8	390	1905	972	11.043	1.3165
SMC-F4C-2002-09	9	435	2143	1094	12.424	1.3165
SMC-F4C-2002-10	10	480	2381	1215	13.804	1.3165
SMC-F4C-2002-11	11	525	2619	1337	15.185	1.3165
SMC-F4C-2002-12	12	570	2857	1458	16.565	1.3165
SMC-F4C-2002-13	13	615	3095	1580	17.945	1.3165
SMC-F4C-2002-14	14	660	3333	1701	19.326	1.3165
SMC-F4C-2002-15	15	705	3571	1823	20.706	1.3165
SMC-F4C-2002-16	16	750	3810	1944	22.087	1.3165
SMC-F4C-2002-17	17	795	4048	2066	23.467	1.3165
SMC-F4C-2002-18	18	840	4286	2188	24.848	1.3165
SMC-F4C-2002-19	19	885	4524	2309	26.228	1.3165
SMC-F4C-2002-20	20	930	4762	2431	27.608	1.3165
SMC-F4C-2002-21	21	975	5000	2552	28.989	1.3165
SMC-F4C-2002-22	22	1020	5238	2674	30.369	1.3165
SMC-F4C-2002-23	23	1065	5476	2795	31.750	1.3165
SMC-F4C-2002-24	24	1110	5714	2917	33.130	1.3165
SMC-F4C-2002-25	25	1155	5952	3038	34.511	1.3165
SMC-F4C-2002-26	26	1200	6191	3160	35.891	1.3165
SMC-F4C-2002-27	27	1245	6429	3281	37.271	1.3165
SMC-F4C-2002-28	28	1290	6667	3403	38.652	1.3165
SMC-F4C-2002-29	29	1335	6905	3524	40.032	1.3165
SMC-F4C-2002-30	30	1380	7143	3646	41.413	1.3165
SMC-F4C-2002-31	31	1425	7381	3767	42.793	1.3165
SMC-F4C-2002-32	32	1470	7619	3889	44.173	1.3165
SMC-F4C-2002-33	33	1515	7857	4011	45.554	1.3165
SMC-F4C-2002-34	34	1560	8095	4132	46.934	1.3165
SMC-F4C-2002-35	35	1605	8333	4254	48.315	1.3165
SMC-F4C-2002-36	36	1650	8572	4375	49.695	1.3165
SMC-F4C-2002-37	37	1695	8810	4497	51.076	1.3165
SMC-F4C-2002-38	38	1740	9048	4618	52.456	1.3165
SMC-F4C-2002-39	39	1785	9286	4740	53.836	1.3165
SMC-F4C-2002-40	40	1830	9524	4861	55.217	1.3165