Declaration of Performance

No. 202009-1037

Florence 4 Column 1200mm

Unique product code:	SMC-F4C-1202
Type, batch or serial number:	SMC-F4C-1202
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
16th October 2026

Castrads®

Appendix to DOP No. 202009-1037: Dimensions and thermal outputs

Panel dimensions: 1302mm 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-1202-03	3	165	446	226	2.406	1.3352
SMC-F4C-1202-04	4	210	595	301	3.208	1.3352
SMC-F4C-1202-05	5	255	744	376	4.010	1.3352
SMC-F4C-1202-06	6	300	893	451	4.812	1.3352
SMC-F4C-1202-07	7	345	1042	527	5.614	1.3352
SMC-F4C-1202-08	8	390	1190	602	6.416	1.3352
SMC-F4C-1202-09	9	435	1339	677	7.218	1.3352
SMC-F4C-1202-10	10	480	1488	752	8.020	1.3352
SMC-F4C-1202-11	11	525	1637	827	8.822	1.3352
SMC-F4C-1202-12	12	570	1785	903	9.624	1.3352
SMC-F4C-1202-13	13	615	1934	978	10.426	1.3352
SMC-F4C-1202-14	14	660	2083	1053	11.228	1.3352
SMC-F4C-1202-15	15	705	2232	1128	12.030	1.3352
SMC-F4C-1202-16	16	750	2381	1204	12.832	1.3352
SMC-F4C-1202-17	17	795	2529	1279	13.634	1.3352
SMC-F4C-1202-18	18	840	2678	1354	14.436	1.3352
SMC-F4C-1202-19	19	885	2827	1429	15.238	1.3352
SMC-F4C-1202-20	20	930	2976	1505	16.040	1.3352
SMC-F4C-1202-21	21	975	3125	1580	16.842	1.3352
SMC-F4C-1202-22	22	1020	3273	1655	17.644	1.3352
SMC-F4C-1202-23	23	1065	3422	1730	18.446	1.3352
SMC-F4C-1202-24	24	1110	3571	1805	19.248	1.3352
SMC-F4C-1202-25	25	1155	3720	1881	20.050	1.3352
SMC-F4C-1202-26	26	1200	3869	1956	20.852	1.3352
SMC-F4C-1202-27	27	1245	4017	2031	21.654	1.3352
SMC-F4C-1202-28	28	1290	4166	2106	22.456	1.3352
SMC-F4C-1202-29	29	1335	4315	2182	23.258	1.3352
SMC-F4C-1202-30	30	1380	4464	2257	24.060	1.3352
SMC-F4C-1202-31	31	1425	4613	2332	24.862	1.3352
SMC-F4C-1202-32	32	1470	4761	2407	25.664	1.3352
SMC-F4C-1202-33	33	1515	4910	2482	26.466	1.3352
SMC-F4C-1202-34	34	1560	5059	2558	27.268	1.3352
SMC-F4C-1202-35	35	1605	5208	2633	28.070	1.3352
SMC-F4C-1202-36	36	1650	5356	2708	28.872	1.3352
SMC-F4C-1202-37	37	1695	5505	2783	29.674	1.3352
SMC-F4C-1202-38	38	1740	5654	2859	30.476	1.3352
SMC-F4C-1202-39	39	1785	5803	2934	31.278	1.3352
SMC-F4C-1202-40	40	1830	5952	3009	32.080	1.3352