Declaration of Performance

No. 202009-1052

Florence 5 Column 1200mm

Unique product code:	SMC-F5C-1202
Type, batch or serial number:	SMC-F5C-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.RES.01003_C

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
5th November 2026



Castrads®

Appendix to DOP No. 202009-1052: Dimensions and thermal outputs

Panel dimensions: 1302mm high when floor standing, 179mm 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-F5C-1202-03	3	165	540	271	2.714	1.3531
SMC-F5C-1202-04	4	210	720	361	3.619	1.3531
SMC-F5C-1202-05	5	255	900	451	4.523	1.3531
SMC-F5C-1202-06	6	300	1080	541	5.428	1.3531
SMC-F5C-1202-07	7	345	1260	631	6.332	1.3531
SMC-F5C-1202-08	8	390	1440	721	7.237	1.3531
SMC-F5C-1202-09	9	435	1620	812	8.142	1.3531
SMC-F5C-1202-10	10	480	1800	902	9.046	1.3531
SMC-F5C-1202-11	11	525	1980	992	9.951	1.3531
SMC-F5C-1202-12	12	570	2160	1082	10.856	1.3531
SMC-F5C-1202-13	13	615	2340	1172	11.760	1.3531
SMC-F5C-1202-14	14	660	2520	1262	12.665	1.3531
SMC-F5C-1202-15	15	705	2700	1353	13.569	1.3531
SMC-F5C-1202-16	16	750	2880	1443	14.474	1.3531
SMC-F5C-1202-17	17	795	3060	1533	15.379	1.3531
SMC-F5C-1202-18	18	840	3240	1623	16.283	1.3531
SMC-F5C-1202-19	19	885	3420	1713	17.188	1.3531
SMC-F5C-1202-20	20	930	3600	1804	18.093	1.3531
SMC-F5C-1202-21	21	975	3780	1894	18.997	1.3531
SMC-F5C-1202-22	22	1020	3960	1984	19.902	1.3531
SMC-F5C-1202-23	23	1065	4140	2074	20.806	1.3531
SMC-F5C-1202-24	24	1110	4320	2164	21.711	1.3531
SMC-F5C-1202-25	25	1155	4500	2254	22.616	1.3531
SMC-F5C-1202-26	26	1200	4680	2345	23.520	1.3531
SMC-F5C-1202-27	27	1245	4860	2435	24.425	1.3531
SMC-F5C-1202-28	28	1290	5040	2525	25.330	1.3531
SMC-F5C-1202-29	29	1335	5220	2615	26.234	1.3531
SMC-F5C-1202-30	30	1380	5400	2705	27.139	1.3531
SMC-F5C-1202-31	31	1425	5580	2795	28.044	1.3531
SMC-F5C-1202-32	32	1470	5760	2886	28.948	1.3531
SMC-F5C-1202-33	33	1515	5940	2976	29.853	1.3531
SMC-F5C-1202-34	34	1560	6120	3066	30.757	1.3531
SMC-F5C-1202-35	35	1605	6300	3156	31.662	1.3531
SMC-F5C-1202-36	36	1650	6480	3246	32.567	1.3531
SMC-F5C-1202-37	37	1695	6660	3337	33.471	1.3531
SMC-F5C-1202-38	38	1740	6840	3427	34.376	1.3531
SMC-F5C-1202-39	39	1785	7020	3517	35.281	1.3531
SMC-F5C-1202-40	40	1830	7200	3607	36.185	1.3531