Declaration of Performance

No. 202009-1058

Florence 5 Column 2500mm

Unique product code:	SMC-F5C-2502
Type, batch or serial number:	SMC-F5C-2502
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
23rd November 2026



Castrads®

Appendix to DOP No. 202009-1058: Dimensions and thermal outputs

Panel dimensions: 2602mm 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-2502-03	3	165	1063	544	6.233	1.3138
SMC-F5C-2502-04	4	210	1418	725	8.310	1.3138
SMC-F5C-2502-05	5	255	1772	906	10.388	1.3138
SMC-F5C-2502-06	6	300	2127	1087	12.466	1.3138
SMC-F5C-2502-07	7	345	2481	1268	14.543	1.3138
SMC-F5C-2502-08	8	390	2836	1450	16.621	1.3138
SMC-F5C-2502-09	9	435	3190	1631	18.698	1.3138
SMC-F5C-2502-10	10	480	3545	1812	20.776	1.3138
SMC-F5C-2502-11	11	525	3899	1993	22.854	1.3138
SMC-F5C-2502-12	12	570	4254	2174	24.931	1.3138
SMC-F5C-2502-13	13	615	4608	2356	27.009	1.3138
SMC-F5C-2502-14	14	660	4963	2537	29.087	1.3138
SMC-F5C-2502-15	15	705	5317	2718	31.164	1.3138
SMC-F5C-2502-16	16	750	5672	2899	33.242	1.3138
SMC-F5C-2502-17	17	795	6026	3080	35.319	1.3138
SMC-F5C-2502-18	18	840	6381	3262	37.397	1.3138
SMC-F5C-2502-19	19	885	6735	3443	39.475	1.3138
SMC-F5C-2502-20	20	930	7090	3624	41.552	1.3138
SMC-F5C-2502-21	21	975	7444	3805	43.630	1.3138
SMC-F5C-2502-22	22	1020	7799	3986	45.707	1.3138
SMC-F5C-2502-23	23	1065	8153	4167	47.785	1.3138
SMC-F5C-2502-24	24	1110	8508	4349	49.863	1.3138
SMC-F5C-2502-25	25	1155	8862	4530	51.940	1.3138
SMC-F5C-2502-26	26	1200	9217	4711	54.018	1.3138
SMC-F5C-2502-27	27	1245	9571	4892	56.095	1.3138
SMC-F5C-2502-28	28	1290	9926	5073	58.173	1.3138
SMC-F5C-2502-29	29	1335	10280	5255	60.251	1.3138
SMC-F5C-2502-30	30	1380	10635	5436	62.328	1.3138
SMC-F5C-2502-31	31	1425	10989	5617	64.406	1.3138
SMC-F5C-2502-32	32	1470	11344	5798	66.484	1.3138
SMC-F5C-2502-33	33	1515	11698	5979	68.561	1.3138
SMC-F5C-2502-34	34	1560	12053	6161	70.639	1.3138
SMC-F5C-2502-35	35	1605	12407	6342	72.716	1.3138
SMC-F5C-2502-36	36	1650	12762	6523	74.794	1.3138
SMC-F5C-2502-37	37	1695	13116	6704	76.872	1.3138
SMC-F5C-2502-38	38	1740	13471	6885	78.949	1.3138
SMC-F5C-2502-39	39	1785	13825	7067	81.027	1.3138
SMC-F5C-2502-40	40	1830	14180	7248	83.104	1.3138