Declaration of Performance

No. 202009-1061

Florence 5 Column 500mm

Unique product code:	SMC-F5C-502
Type, batch or serial number:	SMC-F5C-502
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
16th October 2026

Castrads®

Appendix to DOP No. 202009-1061: Dimensions and thermal outputs

Panel dimensions: 602mm 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-502-03	3	165	244	125	1.470	1.3068
SMC-F5C-502-04	4	210	325	167	1.959	1.3068
SMC-F5C-502-05	5	255	407	209	2.449	1.3068
SMC-F5C-502-06	6	300	488	250	2.939	1.3068
SMC-F5C-502-07	7	345	569	292	3.429	1.3068
SMC-F5C-502-08	8	390	651	334	3.919	1.3068
SMC-F5C-502-09	9	435	732	376	4.409	1.3068
SMC-F5C-502-10	10	480	813	417	4.899	1.3068
SMC-F5C-502-11	11	525	895	459	5.388	1.3068
SMC-F5C-502-12	12	570	976	501	5.878	1.3068
SMC-F5C-502-13	13	615	1057	542	6.368	1.3068
SMC-F5C-502-14	14	660	1139	584	6.858	1.3068
SMC-F5C-502-15	15	705	1220	626	7.348	1.3068
SMC-F5C-502-16	16	750	1302	668	7.838	1.3068
SMC-F5C-502-17	17	795	1383	709	8.327	1.3068
SMC-F5C-502-18	18	840	1464	751	8.817	1.3068
SMC-F5C-502-19	19	885	1546	793	9.307	1.3068
SMC-F5C-502-20	20	930	1627	835	9.797	1.3068
SMC-F5C-502-21	21	975	1708	876	10.287	1.3068
SMC-F5C-502-22	22	1020	1790	918	10.777	1.3068
SMC-F5C-502-23	23	1065	1871	960	11.267	1.3068
SMC-F5C-502-24	24	1110	1952	1001	11.756	1.3068
SMC-F5C-502-25	25	1155	2034	1043	12.246	1.3068
SMC-F5C-502-26	26	1200	2115	1085	12.736	1.3068
SMC-F5C-502-27	27	1245	2196	1127	13.226	1.3068
SMC-F5C-502-28	28	1290	2278	1168	13.716	1.3068
SMC-F5C-502-29	29	1335	2359	1210	14.206	1.3068
SMC-F5C-502-30	30	1380	2440	1252	14.696	1.3068
SMC-F5C-502-31	31	1425	2522	1294	15.185	1.3068
SMC-F5C-502-32	32	1470	2603	1335	15.675	1.3068
SMC-F5C-502-33	33	1515	2684	1377	16.165	1.3068
SMC-F5C-502-34	34	1560	2766	1419	16.655	1.3068
SMC-F5C-502-35	35	1605	2847	1460	17.145	1.3068
SMC-F5C-502-36	36	1650	2928	1502	17.635	1.3068
SMC-F5C-502-37	37	1695	3010	1544	18.124	1.3068
SMC-F5C-502-38	38	1740	3091	1586	18.614	1.3068
SMC-F5C-502-39	39	1785	3172	1627	19.104	1.3068
SMC-F5C-502-40	40	1830	3254	1669	19.594	1.3068