Declaration of Performance

No. 202009-1053

Florence 5 Column 1500mm

Unique product code:	SMC-F5C-1502
Type, batch or serial number:	SMC-F5C-1502
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. 202009-1053: Dimensions and thermal outputs

Panel dimensions: 1602mm 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-1502-03	3	165	663	335	3.550	1.3367
SMC-F5C-1502-04	4	210	883	446	4.734	1.3367
SMC-F5C-1502-05	5	255	1104	558	5.917	1.3367
SMC-F5C-1502-06	6	300	1325	669	7.100	1.3367
SMC-F5C-1502-07	7	345	1546	781	8.284	1.3367
SMC-F5C-1502-08	8	390	1767	893	9.467	1.3367
SMC-F5C-1502-09	9	435	1988	1004	10.651	1.3367
SMC-F5C-1502-10	10	480	2208	1116	11.834	1.3367
SMC-F5C-1502-11	11	525	2429	1227	13.017	1.3367
SMC-F5C-1502-12	12	570	2650	1339	14.201	1.3367
SMC-F5C-1502-13	13	615	2871	1450	15.384	1.3367
SMC-F5C-1502-14	14	660	3092	1562	16.568	1.3367
SMC-F5C-1502-15	15	705	3313	1674	17.751	1.3367
SMC-F5C-1502-16	16	750	3534	1785	18.934	1.3367
SMC-F5C-1502-17	17	795	3754	1897	20.118	1.3367
SMC-F5C-1502-18	18	840	3975	2008	21.301	1.3367
SMC-F5C-1502-19	19	885	4196	2120	22.485	1.3367
SMC-F5C-1502-20	20	930	4417	2231	23.668	1.3367
SMC-F5C-1502-21	21	975	4638	2343	24.851	1.3367
SMC-F5C-1502-22	22	1020	4859	2455	26.035	1.3367
SMC-F5C-1502-23	23	1065	5080	2566	27.218	1.3367
SMC-F5C-1502-24	24	1110	5300	2678	28.402	1.3367
SMC-F5C-1502-25	25	1155	5521	2789	29.585	1.3367
SMC-F5C-1502-26	26	1200	5742	2901	30.768	1.3367
SMC-F5C-1502-27	27	1245	5963	3012	31.952	1.3367
SMC-F5C-1502-28	28	1290	6184	3124	33.135	1.3367
SMC-F5C-1502-29	29	1335	6405	3236	34.319	1.3367
SMC-F5C-1502-30	30	1380	6625	3347	35.502	1.3367
SMC-F5C-1502-31	31	1425	6846	3459	36.685	1.3367
SMC-F5C-1502-32	32	1470	7067	3570	37.869	1.3367
SMC-F5C-1502-33	33	1515	7288	3682	39.052	1.3367
SMC-F5C-1502-34	34	1560	7509	3793	40.236	1.3367
SMC-F5C-1502-35	35	1605	7730	3905	41.419	1.3367
SMC-F5C-1502-36	36	1650	7951	4017	42.602	1.3367
SMC-F5C-1502-37	37	1695	8171	4128	43.786	1.3367
SMC-F5C-1502-38	38	1740	8392	4240	44.969	1.3367
SMC-F5C-1502-39	39	1785	8613	4351	46.153	1.3367
SMC-F5C-1502-40	40	1830	8834	4463	47.336	1.3367