Declaration of Performance

No. 202009-1009

Florence 2 Column 1800mm

Unique product code:	SMC-F2C-1802
Type, batch or serial number:	SMC-F2C-1802
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_A

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
3rd November 2026



Castrads®

Appendix to DOP No. 202009-1009: Dimensions and thermal outputs

Panel dimensions: 1902mm high when floor standing, 67mm 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-F2C-1802-03	3	165	373	189	2.056	1.3294
SMC-F2C-1802-04	4	210	497	252	2.741	1.3294
SMC-F2C-1802-05	5	255	621	315	3.426	1.3294
SMC-F2C-1802-06	6	300	746	378	4.112	1.3294
SMC-F2C-1802-07	7	345	870	441	4.797	1.3294
SMC-F2C-1802-08	8	390	994	504	5.482	1.3294
SMC-F2C-1802-09	9	435	1119	567	6.167	1.3294
SMC-F2C-1802-10	10	480	1243	630	6.853	1.3294
SMC-F2C-1802-11	11	525	1367	693	7.538	1.3294
SMC-F2C-1802-12	12	570	1492	756	8.223	1.3294
SMC-F2C-1802-13	13	615	1616	819	8.908	1.3294
SMC-F2C-1802-14	14	660	1740	882	9.594	1.3294
SMC-F2C-1802-15	15	705	1864	945	10.279	1.3294
SMC-F2C-1802-16	16	750	1989	1008	10.964	1.3294
SMC-F2C-1802-17	17	795	2113	1071	11.649	1.3294
SMC-F2C-1802-18	18	840	2237	1134	12.335	1.3294
SMC-F2C-1802-19	19	885	2362	1197	13.020	1.3294
SMC-F2C-1802-20	20	930	2486	1261	13.705	1.3294
SMC-F2C-1802-21	21	975	2610	1324	14.390	1.3294
SMC-F2C-1802-22	22	1020	2734	1387	15.076	1.3294
SMC-F2C-1802-23	23	1065	2859	1450	15.761	1.3294
SMC-F2C-1802-24	24	1110	2983	1513	16.446	1.3294
SMC-F2C-1802-25	25	1155	3107	1576	17.131	1.3294
SMC-F2C-1802-26	26	1200	3232	1639	17.817	1.3294
SMC-F2C-1802-27	27	1245	3356	1702	18.502	1.3294
SMC-F2C-1802-28	28	1290	3480	1765	19.187	1.3294
SMC-F2C-1802-29	29	1335	3604	1828	19.872	1.3294
SMC-F2C-1802-30	30	1380	3729	1891	20.558	1.3294
SMC-F2C-1802-31	31	1425	3853	1954	21.243	1.3294
SMC-F2C-1802-32	32	1470	3977	2017	21.928	1.3294
SMC-F2C-1802-33	33	1515	4102	2080	22.613	1.3294
SMC-F2C-1802-34	34	1560	4226	2143	23.299	1.3294
SMC-F2C-1802-35	35	1605	4350	2206	23.984	1.3294
SMC-F2C-1802-36	36	1650	4475	2269	24.669	1.3294
SMC-F2C-1802-37	37	1695	4599	2332	25.354	1.3294
SMC-F2C-1802-38	38	1740	4723	2395	26.040	1.3294
SMC-F2C-1802-39	39	1785	4847	2458	26.725	1.3294
SMC-F2C-1802-40	40	1830	4972	2521	27.410	1.3294