Declaration of Performance

No. 202009-1054

Florence 5 Column 1800mm

Unique product code:	SMC-F5C-1802
Type, batch or serial number:	SMC-F5C-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_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. 202009-1054: Dimensions and thermal outputs

Panel dimensions: 1902mm 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-1802-03	3	165	784	398	4.356	1.3273
SMC-F5C-1802-04	4	210	1045	530	5.808	1.3273
SMC-F5C-1802-05	5	255	1306	663	7.260	1.3273
SMC-F5C-1802-06	6	300	1567	796	8.712	1.3273
SMC-F5C-1802-07	7	345	1829	928	10.164	1.3273
SMC-F5C-1802-08	8	390	2090	1061	11.616	1.3273
SMC-F5C-1802-09	9	435	2351	1194	13.068	1.3273
SMC-F5C-1802-10	10	480	2612	1326	14.520	1.3273
SMC-F5C-1802-11	11	525	2874	1459	15.972	1.3273
SMC-F5C-1802-12	12	570	3135	1591	17.424	1.3273
SMC-F5C-1802-13	13	615	3396	1724	18.876	1.3273
SMC-F5C-1802-14	14	660	3657	1857	20.328	1.3273
SMC-F5C-1802-15	15	705	3919	1989	21.780	1.3273
SMC-F5C-1802-16	16	750	4180	2122	23.232	1.3273
SMC-F5C-1802-17	17	795	4441	2254	24.683	1.3273
SMC-F5C-1802-18	18	840	4702	2387	26.135	1.3273
SMC-F5C-1802-19	19	885	4964	2520	27.587	1.3273
SMC-F5C-1802-20	20	930	5225	2652	29.039	1.3273
SMC-F5C-1802-21	21	975	5486	2785	30.491	1.3273
SMC-F5C-1802-22	22	1020	5747	2917	31.943	1.3273
SMC-F5C-1802-23	23	1065	6009	3050	33.395	1.3273
SMC-F5C-1802-24	24	1110	6270	3183	34.847	1.3273
SMC-F5C-1802-25	25	1155	6531	3315	36.299	1.3273
SMC-F5C-1802-26	26	1200	6792	3448	37.751	1.3273
SMC-F5C-1802-27	27	1245	7054	3581	39.203	1.3273
SMC-F5C-1802-28	28	1290	7315	3713	40.655	1.3273
SMC-F5C-1802-29	29	1335	7576	3846	42.107	1.3273
SMC-F5C-1802-30	30	1380	7837	3978	43.559	1.3273
SMC-F5C-1802-31	31	1425	8099	4111	45.011	1.3273
SMC-F5C-1802-32	32	1470	8360	4244	46.463	1.3273
SMC-F5C-1802-33	33	1515	8621	4376	47.915	1.3273
SMC-F5C-1802-34	34	1560	8882	4509	49.367	1.3273
SMC-F5C-1802-35	35	1605	9144	4641	50.819	1.3273
SMC-F5C-1802-36	36	1650	9405	4774	52.271	1.3273
SMC-F5C-1802-37	37	1695	9666	4907	53.723	1.3273
SMC-F5C-1802-38	38	1740	9927	5039	55.175	1.3273
SMC-F5C-1802-39	39	1785	10189	5172	56.627	1.3273
SMC-F5C-1802-40	40	1830	10450	5305	58.079	1.3273