Declaration of Performance

No. 202009-1057

Florence 5 Column 2200mm

Unique product code:	SMC-F5C-2202
Type, batch or serial number:	SMC-F5C-2202
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
15th October 2026

Castrads®

Appendix to DOP No. 202009-1057: Dimensions and thermal outputs

Panel dimensions: 2302mm 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-2202-03	3	165	944	481	5.408	1.3196
SMC-F5C-2202-04	4	210	1259	641	7.211	1.3196
SMC-F5C-2202-05	5	255	1573	802	9.013	1.3196
SMC-F5C-2202-06	6	300	1888	962	10.816	1.3196
SMC-F5C-2202-07	7	345	2203	1122	12.619	1.3196
SMC-F5C-2202-08	8	390	2517	1283	14.421	1.3196
SMC-F5C-2202-09	9	435	2832	1443	16.224	1.3196
SMC-F5C-2202-10	10	480	3146	1604	18.027	1.3196
SMC-F5C-2202-11	11	525	3461	1764	19.829	1.3196
SMC-F5C-2202-12	12	570	3776	1924	21.632	1.3196
SMC-F5C-2202-13	13	615	4090	2085	23.435	1.3196
SMC-F5C-2202-14	14	660	4405	2245	25.237	1.3196
SMC-F5C-2202-15	15	705	4720	2405	27.040	1.3196
SMC-F5C-2202-16	16	750	5034	2566	28.843	1.3196
SMC-F5C-2202-17	17	795	5349	2726	30.645	1.3196
SMC-F5C-2202-18	18	840	5664	2886	32.448	1.3196
SMC-F5C-2202-19	19	885	5978	3047	34.251	1.3196
SMC-F5C-2202-20	20	930	6293	3207	36.053	1.3196
SMC-F5C-2202-21	21	975	6608	3367	37.856	1.3196
SMC-F5C-2202-22	22	1020	6922	3528	39.659	1.3196
SMC-F5C-2202-23	23	1065	7237	3688	41.461	1.3196
SMC-F5C-2202-24	24	1110	7552	3848	43.264	1.3196
SMC-F5C-2202-25	25	1155	7866	4009	45.067	1.3196
SMC-F5C-2202-26	26	1200	8181	4169	46.869	1.3196
SMC-F5C-2202-27	27	1245	8495	4330	48.672	1.3196
SMC-F5C-2202-28	28	1290	8810	4490	50.474	1.3196
SMC-F5C-2202-29	29	1335	9125	4650	52.277	1.3196
SMC-F5C-2202-30	30	1380	9439	4811	54.080	1.3196
SMC-F5C-2202-31	31	1425	9754	4971	55.882	1.3196
SMC-F5C-2202-32	32	1470	10069	5131	57.685	1.3196
SMC-F5C-2202-33	33	1515	10383	5292	59.488	1.3196
SMC-F5C-2202-34	34	1560	10698	5452	61.290	1.3196
SMC-F5C-2202-35	35	1605	11013	5612	63.093	1.3196
SMC-F5C-2202-36	36	1650	11327	5773	64.896	1.3196
SMC-F5C-2202-37	37	1695	11642	5933	66.698	1.3196
SMC-F5C-2202-38	38	1740	11957	6093	68.501	1.3196
SMC-F5C-2202-39	39	1785	12271	6254	70.304	1.3196
SMC-F5C-2202-40	40	1830	12586	6414	72.106	1.3196