

Castrads®

Declaration of Performance

No. 202009-1012

Florence 2 Column 2200mm

Unique product code:	SMC-F2C-2202
Type, batch or serial number:	SMC-F2C-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_A

Declared performance

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	A1	
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]	EN 442-1:2014
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\phi = K_m \cdot \Delta T^n$. See appendix for factor K_m 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
9th July 2026





Appendix to DOP No. 202009-1012: Dimensions and thermal outputs

Panel dimensions: 2302mm 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-2202-03	3	165	462	237	2.767	1.3085
SMC-F2C-2202-04	4	210	617	316	3.689	1.3085
SMC-F2C-2202-05	5	255	771	395	4.612	1.3085
SMC-F2C-2202-06	6	300	925	474	5.534	1.3085
SMC-F2C-2202-07	7	345	1079	553	6.456	1.3085
SMC-F2C-2202-08	8	390	1233	632	7.379	1.3085
SMC-F2C-2202-09	9	435	1387	711	8.301	1.3085
SMC-F2C-2202-10	10	480	1542	790	9.223	1.3085
SMC-F2C-2202-11	11	525	1696	869	10.146	1.3085
SMC-F2C-2202-12	12	570	1850	948	11.068	1.3085
SMC-F2C-2202-13	13	615	2004	1027	11.990	1.3085
SMC-F2C-2202-14	14	660	2158	1106	12.912	1.3085
SMC-F2C-2202-15	15	705	2312	1185	13.835	1.3085
SMC-F2C-2202-16	16	750	2466	1264	14.757	1.3085
SMC-F2C-2202-17	17	795	2621	1343	15.679	1.3085
SMC-F2C-2202-18	18	840	2775	1422	16.602	1.3085
SMC-F2C-2202-19	19	885	2929	1501	17.524	1.3085
SMC-F2C-2202-20	20	930	3083	1580	18.446	1.3085
SMC-F2C-2202-21	21	975	3237	1659	19.369	1.3085
SMC-F2C-2202-22	22	1020	3391	1738	20.291	1.3085
SMC-F2C-2202-23	23	1065	3546	1817	21.213	1.3085
SMC-F2C-2202-24	24	1110	3700	1896	22.136	1.3085
SMC-F2C-2202-25	25	1155	3854	1975	23.058	1.3085
SMC-F2C-2202-26	26	1200	4008	2054	23.980	1.3085
SMC-F2C-2202-27	27	1245	4162	2133	24.903	1.3085
SMC-F2C-2202-28	28	1290	4316	2212	25.825	1.3085
SMC-F2C-2202-29	29	1335	4470	2291	26.747	1.3085
SMC-F2C-2202-30	30	1380	4625	2370	27.670	1.3085
SMC-F2C-2202-31	31	1425	4779	2449	28.592	1.3085
SMC-F2C-2202-32	32	1470	4933	2528	29.514	1.3085
SMC-F2C-2202-33	33	1515	5087	2607	30.437	1.3085
SMC-F2C-2202-34	34	1560	5241	2686	31.359	1.3085
SMC-F2C-2202-35	35	1605	5395	2765	32.281	1.3085
SMC-F2C-2202-36	36	1650	5549	2844	33.204	1.3085
SMC-F2C-2202-37	37	1695	5704	2923	34.126	1.3085
SMC-F2C-2202-38	38	1740	5858	3002	35.048	1.3085
SMC-F2C-2202-39	39	1785	6012	3081	35.970	1.3085
SMC-F2C-2202-40	40	1830	6166	3160	36.893	1.3085