Declaration of Performance

No. 202009-1010

Florence 2 Column 200mm

Unique product code:	SMC-F2C-194
Type, batch or serial number:	SMC-F2C-194
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
17th November 2026



Castrads®

Appendix to DOP No. 202009-1010: Dimensions and thermal outputs

Panel dimensions: 294mm 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-194-03	3	165	45	24	0.334	1.2522
SMC-F2C-194-04	4	210	60	31	0.445	1.2522
SMC-F2C-194-05	5	255	75	39	0.556	1.2522
SMC-F2C-194-06	6	300	89	47	0.667	1.2522
SMC-F2C-194-07	7	345	104	55	0.778	1.2522
SMC-F2C-194-08	8	390	119	63	0.890	1.2522
SMC-F2C-194-09	9	435	134	71	1.001	1.2522
SMC-F2C-194-10	10	480	149	79	1.112	1.2522
SMC-F2C-194-11	11	525	164	87	1.223	1.2522
SMC-F2C-194-12	12	570	179	94	1.334	1.2522
SMC-F2C-194-13	13	615	194	102	1.445	1.2522
SMC-F2C-194-14	14	660	209	110	1.557	1.2522
SMC-F2C-194-15	15	705	224	118	1.668	1.2522
SMC-F2C-194-16	16	750	239	126	1.779	1.2522
SMC-F2C-194-17	17	795	254	134	1.890	1.2522
SMC-F2C-194-18	18	840	268	142	2.001	1.2522
SMC-F2C-194-19	19	885	283	149	2.113	1.2522
SMC-F2C-194-20	20	930	298	157	2.224	1.2522
SMC-F2C-194-21	21	975	313	165	2.335	1.2522
SMC-F2C-194-22	22	1020	328	173	2.446	1.2522
SMC-F2C-194-23	23	1065	343	181	2.557	1.2522
SMC-F2C-194-24	24	1110	358	189	2.669	1.2522
SMC-F2C-194-25	25	1155	373	197	2.780	1.2522
SMC-F2C-194-26	26	1200	388	205	2.891	1.2522
SMC-F2C-194-27	27	1245	403	212	3.002	1.2522
SMC-F2C-194-28	28	1290	418	220	3.113	1.2522
SMC-F2C-194-29	29	1335	432	228	3.225	1.2522
SMC-F2C-194-30	30	1380	447	236	3.336	1.2522
SMC-F2C-194-31	31	1425	462	244	3.447	1.2522
SMC-F2C-194-32	32	1470	477	252	3.558	1.2522
SMC-F2C-194-33	33	1515	492	260	3.669	1.2522
SMC-F2C-194-34	34	1560	507	267	3.780	1.2522
SMC-F2C-194-35	35	1605	522	275	3.892	1.2522
SMC-F2C-194-36	36	1650	537	283	4.003	1.2522
SMC-F2C-194-37	37	1695	552	291	4.114	1.2522
SMC-F2C-194-38	38	1740	567	299	4.225	1.2522
SMC-F2C-194-39	39	1785	582	307	4.336	1.2522
SMC-F2C-194-40	40	1830	596	315	4.448	1.2522