Declaration of Performance

No. 202009-1055

Florence 5 Column 200mm

Unique product code:	SMC-F5C-194
Type, batch or serial number:	SMC-F5C-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_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
23rd November 2026



Castrads®

Appendix to DOP No. 202009-1055: Dimensions and thermal outputs

Panel dimensions: 294mm 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-194-03	3	165	95	48	0.483	1.3503
SMC-F5C-194-04	4	210	127	64	0.644	1.3503
SMC-F5C-194-05	5	255	158	79	0.805	1.3503
SMC-F5C-194-06	6	300	190	95	0.966	1.3503
SMC-F5C-194-07	7	345	222	111	1.127	1.3503
SMC-F5C-194-08	8	390	253	127	1.288	1.3503
SMC-F5C-194-09	9	435	285	143	1.449	1.3503
SMC-F5C-194-10	10	480	317	159	1.610	1.3503
SMC-F5C-194-11	11	525	348	175	1.771	1.3503
SMC-F5C-194-12	12	570	380	191	1.932	1.3503
SMC-F5C-194-13	13	615	412	207	2.093	1.3503
SMC-F5C-194-14	14	660	444	223	2.254	1.3503
SMC-F5C-194-15	15	705	475	238	2.415	1.3503
SMC-F5C-194-16	16	750	507	254	2.576	1.3503
SMC-F5C-194-17	17	795	539	270	2.736	1.3503
SMC-F5C-194-18	18	840	570	286	2.897	1.3503
SMC-F5C-194-19	19	885	602	302	3.058	1.3503
SMC-F5C-194-20	20	930	634	318	3.219	1.3503
SMC-F5C-194-21	21	975	665	334	3.380	1.3503
SMC-F5C-194-22	22	1020	697	350	3.541	1.3503
SMC-F5C-194-23	23	1065	729	366	3.702	1.3503
SMC-F5C-194-24	24	1110	760	381	3.863	1.3503
SMC-F5C-194-25	25	1155	792	397	4.024	1.3503
SMC-F5C-194-26	26	1200	824	413	4.185	1.3503
SMC-F5C-194-27	27	1245	855	429	4.346	1.3503
SMC-F5C-194-28	28	1290	887	445	4.507	1.3503
SMC-F5C-194-29	29	1335	919	461	4.668	1.3503
SMC-F5C-194-30	30	1380	950	477	4.829	1.3503
SMC-F5C-194-31	31	1425	982	493	4.990	1.3503
SMC-F5C-194-32	32	1470	1014	509	5.151	1.3503
SMC-F5C-194-33	33	1515	1045	524	5.312	1.3503
SMC-F5C-194-34	34	1560	1077	540	5.473	1.3503
SMC-F5C-194-35	35	1605	1109	556	5.634	1.3503
SMC-F5C-194-36	36	1650	1140	572	5.795	1.3503
SMC-F5C-194-37	37	1695	1172	588	5.956	1.3503
SMC-F5C-194-38	38	1740	1204	604	6.117	1.3503
SMC-F5C-194-39	39	1785	1236	620	6.278	1.3503
SMC-F5C-194-40	40	1830	1267	636	6.439	1.3503