Declaration of Performance

No. 202009-1040

Florence 4 Column 200mm

Unique product code:	SMC-F4C-194
Type, batch or serial number:	SMC-F4C-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.ITPL.01005

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
4th November 2026



Castrads®

Appendix to DOP No. 202009-1040: Dimensions and thermal outputs

Panel dimensions: 294mm high when floor standing, 141mm 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-F4C-194-03	3	165	78	40	0.435	1.3264
SMC-F4C-194-04	4	210	104	53	0.580	1.3264
SMC-F4C-194-05	5	255	130	66	0.725	1.3264
SMC-F4C-194-06	6	300	156	79	0.870	1.3264
SMC-F4C-194-07	7	345	182	92	1.015	1.3264
SMC-F4C-194-08	8	390	208	106	1.159	1.3264
SMC-F4C-194-09	9	435	234	119	1.304	1.3264
SMC-F4C-194-10	10	480	260	132	1.449	1.3264
SMC-F4C-194-11	11	525	286	145	1.594	1.3264
SMC-F4C-194-12	12	570	312	158	1.739	1.3264
SMC-F4C-194-13	13	615	338	172	1.884	1.3264
SMC-F4C-194-14	14	660	364	185	2.029	1.3264
SMC-F4C-194-15	15	705	390	198	2.174	1.3264
SMC-F4C-194-16	16	750	416	211	2.319	1.3264
SMC-F4C-194-17	17	795	442	224	2.464	1.3264
SMC-F4C-194-18	18	840	468	238	2.609	1.3264
SMC-F4C-194-19	19	885	494	251	2.754	1.3264
SMC-F4C-194-20	20	930	520	264	2.899	1.3264
SMC-F4C-194-21	21	975	546	277	3.044	1.3264
SMC-F4C-194-22	22	1020	572	290	3.188	1.3264
SMC-F4C-194-23	23	1065	598	304	3.333	1.3264
SMC-F4C-194-24	24	1110	624	317	3.478	1.3264
SMC-F4C-194-25	25	1155	650	330	3.623	1.3264
SMC-F4C-194-26	26	1200	676	343	3.768	1.3264
SMC-F4C-194-27	27	1245	702	356	3.913	1.3264
SMC-F4C-194-28	28	1290	728	369	4.058	1.3264
SMC-F4C-194-29	29	1335	754	383	4.203	1.3264
SMC-F4C-194-30	30	1380	780	396	4.348	1.3264
SMC-F4C-194-31	31	1425	806	409	4.493	1.3264
SMC-F4C-194-32	32	1470	832	422	4.638	1.3264
SMC-F4C-194-33	33	1515	858	435	4.783	1.3264
SMC-F4C-194-34	34	1560	883	449	4.928	1.3264
SMC-F4C-194-35	35	1605	909	462	5.073	1.3264
SMC-F4C-194-36	36	1650	935	475	5.217	1.3264
SMC-F4C-194-37	37	1695	961	488	5.362	1.3264
SMC-F4C-194-38	38	1740	987	501	5.507	1.3264
SMC-F4C-194-39	39	1785	1013	515	5.652	1.3264
SMC-F4C-194-40	40	1830	1039	528	5.797	1.3264