Declaration of Performance

No. 202009-1043

Florence 4 Column 2500mm

Unique product code:	SMC-F4C-2502
Type, batch or serial number:	SMC-F4C-2502
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. 202009-1043: Dimensions and thermal outputs

Panel dimensions: 2602mm 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-2502-03	3	165	878	451	5.308	1.3059
SMC-F4C-2502-04	4	210	1171	601	7.077	1.3059
SMC-F4C-2502-05	5	255	1464	751	8.846	1.3059
SMC-F4C-2502-06	6	300	1757	901	10.616	1.3059
SMC-F4C-2502-07	7	345	2049	1052	12.385	1.3059
SMC-F4C-2502-08	8	390	2342	1202	14.154	1.3059
SMC-F4C-2502-09	9	435	2635	1352	15.923	1.3059
SMC-F4C-2502-10	10	480	2928	1502	17.693	1.3059
SMC-F4C-2502-11	11	525	3220	1653	19.462	1.3059
SMC-F4C-2502-12	12	570	3513	1803	21.231	1.3059
SMC-F4C-2502-13	13	615	3806	1953	23.000	1.3059
SMC-F4C-2502-14	14	660	4099	2103	24.770	1.3059
SMC-F4C-2502-15	15	705	4391	2254	26.539	1.3059
SMC-F4C-2502-16	16	750	4684	2404	28.308	1.3059
SMC-F4C-2502-17	17	795	4977	2554	30.077	1.3059
SMC-F4C-2502-18	18	840	5270	2704	31.847	1.3059
SMC-F4C-2502-19	19	885	5562	2855	33.616	1.3059
SMC-F4C-2502-20	20	930	5855	3005	35.385	1.3059
SMC-F4C-2502-21	21	975	6148	3155	37.154	1.3059
SMC-F4C-2502-22	22	1020	6441	3305	38.924	1.3059
SMC-F4C-2502-23	23	1065	6733	3456	40.693	1.3059
SMC-F4C-2502-24	24	1110	7026	3606	42.462	1.3059
SMC-F4C-2502-25	25	1155	7319	3756	44.232	1.3059
SMC-F4C-2502-26	26	1200	7612	3906	46.001	1.3059
SMC-F4C-2502-27	27	1245	7904	4057	47.770	1.3059
SMC-F4C-2502-28	28	1290	8197	4207	49.539	1.3059
SMC-F4C-2502-29	29	1335	8490	4357	51.309	1.3059
SMC-F4C-2502-30	30	1380	8783	4507	53.078	1.3059
SMC-F4C-2502-31	31	1425	9076	4658	54.847	1.3059
SMC-F4C-2502-32	32	1470	9368	4808	56.616	1.3059
SMC-F4C-2502-33	33	1515	9661	4958	58.386	1.3059
SMC-F4C-2502-34	34	1560	9954	5108	60.155	1.3059
SMC-F4C-2502-35	35	1605	10247	5259	61.924	1.3059
SMC-F4C-2502-36	36	1650	10539	5409	63.693	1.3059
SMC-F4C-2502-37	37	1695	10832	5559	65.463	1.3059
SMC-F4C-2502-38	38	1740	11125	5709	67.232	1.3059
SMC-F4C-2502-39	39	1785	11418	5859	69.001	1.3059
SMC-F4C-2502-40	40	1830	11710	6010	70.770	1.3059