

 **Castrads**[®]
Declaration of Performance

No. 202009-1013

Florence 2 Column 2500mm

Unique product code:	SMC-F2C-2502
Type, batch or serial number:	SMC-F2C-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.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
4th May 2026





Appendix to DOP No. 202009-1013: Dimensions and thermal outputs

Panel dimensions: 2602mm 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-2502-03	3	165	531	275	3.381	1.2928
SMC-F2C-2502-04	4	210	709	366	4.508	1.2928
SMC-F2C-2502-05	5	255	886	458	5.635	1.2928
SMC-F2C-2502-06	6	300	1063	549	6.762	1.2928
SMC-F2C-2502-07	7	345	1240	641	7.889	1.2928
SMC-F2C-2502-08	8	390	1417	732	9.015	1.2928
SMC-F2C-2502-09	9	435	1594	824	10.142	1.2928
SMC-F2C-2502-10	10	480	1771	915	11.269	1.2928
SMC-F2C-2502-11	11	525	1949	1007	12.396	1.2928
SMC-F2C-2502-12	12	570	2126	1098	13.523	1.2928
SMC-F2C-2502-13	13	615	2303	1190	14.650	1.2928
SMC-F2C-2502-14	14	660	2480	1281	15.777	1.2928
SMC-F2C-2502-15	15	705	2657	1373	16.904	1.2928
SMC-F2C-2502-16	16	750	2834	1464	18.031	1.2928
SMC-F2C-2502-17	17	795	3011	1556	19.158	1.2928
SMC-F2C-2502-18	18	840	3189	1647	20.285	1.2928
SMC-F2C-2502-19	19	885	3366	1739	21.412	1.2928
SMC-F2C-2502-20	20	930	3543	1830	22.539	1.2928
SMC-F2C-2502-21	21	975	3720	1922	23.666	1.2928
SMC-F2C-2502-22	22	1020	3897	2013	24.792	1.2928
SMC-F2C-2502-23	23	1065	4074	2105	25.919	1.2928
SMC-F2C-2502-24	24	1110	4251	2196	27.046	1.2928
SMC-F2C-2502-25	25	1155	4429	2288	28.173	1.2928
SMC-F2C-2502-26	26	1200	4606	2380	29.300	1.2928
SMC-F2C-2502-27	27	1245	4783	2471	30.427	1.2928
SMC-F2C-2502-28	28	1290	4960	2563	31.554	1.2928
SMC-F2C-2502-29	29	1335	5137	2654	32.681	1.2928
SMC-F2C-2502-30	30	1380	5314	2746	33.808	1.2928
SMC-F2C-2502-31	31	1425	5491	2837	34.935	1.2928
SMC-F2C-2502-32	32	1470	5669	2929	36.062	1.2928
SMC-F2C-2502-33	33	1515	5846	3020	37.189	1.2928
SMC-F2C-2502-34	34	1560	6023	3112	38.316	1.2928
SMC-F2C-2502-35	35	1605	6200	3203	39.443	1.2928
SMC-F2C-2502-36	36	1650	6377	3295	40.569	1.2928
SMC-F2C-2502-37	37	1695	6554	3386	41.696	1.2928
SMC-F2C-2502-38	38	1740	6731	3478	42.823	1.2928
SMC-F2C-2502-39	39	1785	6909	3569	43.950	1.2928
SMC-F2C-2502-40	40	1830	7086	3661	45.077	1.2928