Declaration of Performance

No. 202009-1017

Florence 2 Column 600mm

Unique product code:	SMC-F2C-602
Type, batch or serial number:	SMC-F2C-602
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. 202009-1017: Dimensions and thermal outputs

Panel dimensions: 702mm 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-602-03	3	165	129	68	0.927	1.2625
SMC-F2C-602-04	4	210	173	91	1.236	1.2625
SMC-F2C-602-05	5	255	216	113	1.545	1.2625
SMC-F2C-602-06	6	300	259	136	1.855	1.2625
SMC-F2C-602-07	7	345	302	159	2.164	1.2625
SMC-F2C-602-08	8	390	345	181	2.473	1.2625
SMC-F2C-602-09	9	435	388	204	2.782	1.2625
SMC-F2C-602-10	10	480	432	226	3.091	1.2625
SMC-F2C-602-11	11	525	475	249	3.400	1.2625
SMC-F2C-602-12	12	570	518	272	3.709	1.2625
SMC-F2C-602-13	13	615	561	294	4.018	1.2625
SMC-F2C-602-14	14	660	604	317	4.327	1.2625
SMC-F2C-602-15	15	705	647	340	4.636	1.2625
SMC-F2C-602-16	16	750	690	362	4.945	1.2625
SMC-F2C-602-17	17	795	734	385	5.255	1.2625
SMC-F2C-602-18	18	840	777	408	5.564	1.2625
SMC-F2C-602-19	19	885	820	430	5.873	1.2625
SMC-F2C-602-20	20	930	863	453	6.182	1.2625
SMC-F2C-602-21	21	975	906	476	6.491	1.2625
SMC-F2C-602-22	22	1020	949	498	6.800	1.2625
SMC-F2C-602-23	23	1065	993	521	7.109	1.2625
SMC-F2C-602-24	24	1110	1036	543	7.418	1.2625
SMC-F2C-602-25	25	1155	1079	566	7.727	1.2625
SMC-F2C-602-26	26	1200	1122	589	8.036	1.2625
SMC-F2C-602-27	27	1245	1165	611	8.345	1.2625
SMC-F2C-602-28	28	1290	1208	634	8.655	1.2625
SMC-F2C-602-29	29	1335	1252	657	8.964	1.2625
SMC-F2C-602-30	30	1380	1295	679	9.273	1.2625
SMC-F2C-602-31	31	1425	1338	702	9.582	1.2625
SMC-F2C-602-32	32	1470	1381	725	9.891	1.2625
SMC-F2C-602-33	33	1515	1424	747	10.200	1.2625
SMC-F2C-602-34	34	1560	1467	770	10.509	1.2625
SMC-F2C-602-35	35	1605	1510	793	10.818	1.2625
SMC-F2C-602-36	36	1650	1554	815	11.127	1.2625
SMC-F2C-602-37	37	1695	1597	838	11.436	1.2625
SMC-F2C-602-38	38	1740	1640	860	11.745	1.2625
SMC-F2C-602-39	39	1785	1683	883	12.055	1.2625
SMC-F2C-602-40	40	1830	1726	906	12.364	1.2625