Declaration of Performance

No. 202009-1007

Florence 2 Column 1200mm

Unique product code:	SMC-F2C-1202
Type, batch or serial number:	SMC-F2C-1202
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
22nd November 2026



Castrads®

Appendix to DOP No. 202009-1007: Dimensions and thermal outputs

Panel dimensions: 1302mm 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-1202-03	3	165	248	127	1.476	1.3093
SMC-F2C-1202-04	4	210	330	169	1.968	1.3093
SMC-F2C-1202-05	5	255	413	211	2.461	1.3093
SMC-F2C-1202-06	6	300	495	254	2.953	1.3093
SMC-F2C-1202-07	7	345	578	296	3.445	1.3093
SMC-F2C-1202-08	8	390	660	338	3.937	1.3093
SMC-F2C-1202-09	9	435	743	380	4.429	1.3093
SMC-F2C-1202-10	10	480	825	423	4.921	1.3093
SMC-F2C-1202-11	11	525	908	465	5.413	1.3093
SMC-F2C-1202-12	12	570	990	507	5.905	1.3093
SMC-F2C-1202-13	13	615	1073	550	6.397	1.3093
SMC-F2C-1202-14	14	660	1155	592	6.889	1.3093
SMC-F2C-1202-15	15	705	1238	634	7.382	1.3093
SMC-F2C-1202-16	16	750	1320	676	7.874	1.3093
SMC-F2C-1202-17	17	795	1403	719	8.366	1.3093
SMC-F2C-1202-18	18	840	1485	761	8.858	1.3093
SMC-F2C-1202-19	19	885	1568	803	9.350	1.3093
SMC-F2C-1202-20	20	930	1650	845	9.842	1.3093
SMC-F2C-1202-21	21	975	1733	888	10.334	1.3093
SMC-F2C-1202-22	22	1020	1815	930	10.826	1.3093
SMC-F2C-1202-23	23	1065	1898	972	11.318	1.3093
SMC-F2C-1202-24	24	1110	1980	1015	11.810	1.3093
SMC-F2C-1202-25	25	1155	2063	1057	12.303	1.3093
SMC-F2C-1202-26	26	1200	2145	1099	12.795	1.3093
SMC-F2C-1202-27	27	1245	2228	1141	13.287	1.3093
SMC-F2C-1202-28	28	1290	2310	1184	13.779	1.3093
SMC-F2C-1202-29	29	1335	2393	1226	14.271	1.3093
SMC-F2C-1202-30	30	1380	2475	1268	14.763	1.3093
SMC-F2C-1202-31	31	1425	2558	1310	15.255	1.3093
SMC-F2C-1202-32	32	1470	2640	1353	15.747	1.3093
SMC-F2C-1202-33	33	1515	2723	1395	16.239	1.3093
SMC-F2C-1202-34	34	1560	2806	1437	16.731	1.3093
SMC-F2C-1202-35	35	1605	2888	1480	17.224	1.3093
SMC-F2C-1202-36	36	1650	2971	1522	17.716	1.3093
SMC-F2C-1202-37	37	1695	3053	1564	18.208	1.3093
SMC-F2C-1202-38	38	1740	3136	1606	18.700	1.3093
SMC-F2C-1202-39	39	1785	3218	1649	19.192	1.3093
SMC-F2C-1202-40	40	1830	3301	1691	19.684	1.3093