Declaration of Performance

No. 202009-1006

Florence 2 Column 1000mm

Unique product code:	SMC-F2C-1002
Type, batch or serial number:	SMC-F2C-1002
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
2nd November 2026



Castrads®

Appendix to DOP No. 202009-1006: Dimensions and thermal outputs

Panel dimensions: 1102mm 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-1002-03	3	165	208	107	1.315	1.2940
SMC-F2C-1002-04	4	210	277	143	1.753	1.2940
SMC-F2C-1002-05	5	255	346	179	2.191	1.2940
SMC-F2C-1002-06	6	300	415	214	2.629	1.2940
SMC-F2C-1002-07	7	345	485	250	3.068	1.2940
SMC-F2C-1002-08	8	390	554	286	3.506	1.2940
SMC-F2C-1002-09	9	435	623	322	3.944	1.2940
SMC-F2C-1002-10	10	480	692	357	4.382	1.2940
SMC-F2C-1002-11	11	525	761	393	4.821	1.2940
SMC-F2C-1002-12	12	570	831	429	5.259	1.2940
SMC-F2C-1002-13	13	615	900	465	5.697	1.2940
SMC-F2C-1002-14	14	660	969	500	6.135	1.2940
SMC-F2C-1002-15	15	705	1038	536	6.573	1.2940
SMC-F2C-1002-16	16	750	1108	572	7.012	1.2940
SMC-F2C-1002-17	17	795	1177	608	7.450	1.2940
SMC-F2C-1002-18	18	840	1246	643	7.888	1.2940
SMC-F2C-1002-19	19	885	1315	679	8.326	1.2940
SMC-F2C-1002-20	20	930	1384	715	8.765	1.2940
SMC-F2C-1002-21	21	975	1454	751	9.203	1.2940
SMC-F2C-1002-22	22	1020	1523	786	9.641	1.2940
SMC-F2C-1002-23	23	1065	1592	822	10.079	1.2940
SMC-F2C-1002-24	24	1110	1661	858	10.518	1.2940
SMC-F2C-1002-25	25	1155	1731	894	10.956	1.2940
SMC-F2C-1002-26	26	1200	1800	929	11.394	1.2940
SMC-F2C-1002-27	27	1245	1869	965	11.832	1.2940
SMC-F2C-1002-28	28	1290	1938	1001	12.270	1.2940
SMC-F2C-1002-29	29	1335	2007	1036	12.709	1.2940
SMC-F2C-1002-30	30	1380	2077	1072	13.147	1.2940
SMC-F2C-1002-31	31	1425	2146	1108	13.585	1.2940
SMC-F2C-1002-32	32	1470	2215	1144	14.023	1.2940
SMC-F2C-1002-33	33	1515	2284	1179	14.462	1.2940
SMC-F2C-1002-34	34	1560	2354	1215	14.900	1.2940
SMC-F2C-1002-35	35	1605	2423	1251	15.338	1.2940
SMC-F2C-1002-36	36	1650	2492	1287	15.776	1.2940
SMC-F2C-1002-37	37	1695	2561	1322	16.215	1.2940
SMC-F2C-1002-38	38	1740	2630	1358	16.653	1.2940
SMC-F2C-1002-39	39	1785	2700	1394	17.091	1.2940
SMC-F2C-1002-40	40	1830	2769	1430	17.529	1.2940