Declaration of Performance

No. 202009-1011

Florence 2 Column 2000mm

Unique product code:	SMC-F2C-2002
Type, batch or serial number:	SMC-F2C-2002
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. 202009-1011: Dimensions and thermal outputs

Panel dimensions: 2102mm 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-2002-03	3	165	417	213	2.395	1.3189
SMC-F2C-2002-04	4	210	556	283	3.193	1.3189
SMC-F2C-2002-05	5	255	695	354	3.992	1.3189
SMC-F2C-2002-06	6	300	834	425	4.790	1.3189
SMC-F2C-2002-07	7	345	973	496	5.588	1.3189
SMC-F2C-2002-08	8	390	1112	567	6.387	1.3189
SMC-F2C-2002-09	9	435	1251	638	7.185	1.3189
SMC-F2C-2002-10	10	480	1390	709	7.983	1.3189
SMC-F2C-2002-11	11	525	1529	779	8.782	1.3189
SMC-F2C-2002-12	12	570	1668	850	9.580	1.3189
SMC-F2C-2002-13	13	615	1807	921	10.378	1.3189
SMC-F2C-2002-14	14	660	1946	992	11.176	1.3189
SMC-F2C-2002-15	15	705	2085	1063	11.975	1.3189
SMC-F2C-2002-16	16	750	2224	1134	12.773	1.3189
SMC-F2C-2002-17	17	795	2363	1205	13.571	1.3189
SMC-F2C-2002-18	18	840	2502	1276	14.370	1.3189
SMC-F2C-2002-19	19	885	2641	1346	15.168	1.3189
SMC-F2C-2002-20	20	930	2780	1417	15.966	1.3189
SMC-F2C-2002-21	21	975	2919	1488	16.765	1.3189
SMC-F2C-2002-22	22	1020	3058	1559	17.563	1.3189
SMC-F2C-2002-23	23	1065	3197	1630	18.361	1.3189
SMC-F2C-2002-24	24	1110	3336	1701	19.160	1.3189
SMC-F2C-2002-25	25	1155	3475	1772	19.958	1.3189
SMC-F2C-2002-26	26	1200	3614	1842	20.756	1.3189
SMC-F2C-2002-27	27	1245	3753	1913	21.555	1.3189
SMC-F2C-2002-28	28	1290	3892	1984	22.353	1.3189
SMC-F2C-2002-29	29	1335	4031	2055	23.151	1.3189
SMC-F2C-2002-30	30	1380	4170	2126	23.950	1.3189
SMC-F2C-2002-31	31	1425	4309	2197	24.748	1.3189
SMC-F2C-2002-32	32	1470	4448	2268	25.546	1.3189
SMC-F2C-2002-33	33	1515	4587	2338	26.345	1.3189
SMC-F2C-2002-34	34	1560	4726	2409	27.143	1.3189
SMC-F2C-2002-35	35	1605	4865	2480	27.941	1.3189
SMC-F2C-2002-36	36	1650	5004	2551	28.740	1.3189
SMC-F2C-2002-37	37	1695	5143	2622	29.538	1.3189
SMC-F2C-2002-38	38	1740	5282	2693	30.336	1.3189
SMC-F2C-2002-39	39	1785	5421	2764	31.134	1.3189
SMC-F2C-2002-40	40	1830	5560	2834	31.933	1.3189