Declaration of Performance

No. 202009-1036

Florence 4 Column 1000mm

Unique product code:	SMC-F4C-1002
Type, batch or serial number:	SMC-F4C-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.ITPL.01005

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
8th September 2026

Castrads®

Appendix to DOP No. 202009-1036: Dimensions and thermal outputs

Panel dimensions: 1102mm high when floor standing, 141mm 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-F4C-1002-03	3	165	378	190	1.996	1.3402
SMC-F4C-1002-04	4	210	504	254	2.661	1.3402
SMC-F4C-1002-05	5	255	630	317	3.327	1.3402
SMC-F4C-1002-06	6	300	755	381	3.992	1.3402
SMC-F4C-1002-07	7	345	881	444	4.657	1.3402
SMC-F4C-1002-08	8	390	1007	508	5.322	1.3402
SMC-F4C-1002-09	9	435	1133	571	5.988	1.3402
SMC-F4C-1002-10	10	480	1259	635	6.653	1.3402
SMC-F4C-1002-11	11	525	1385	698	7.318	1.3402
SMC-F4C-1002-12	12	570	1511	762	7.984	1.3402
SMC-F4C-1002-13	13	615	1637	825	8.649	1.3402
SMC-F4C-1002-14	14	660	1763	889	9.314	1.3402
SMC-F4C-1002-15	15	705	1889	952	9.980	1.3402
SMC-F4C-1002-16	16	750	2014	1016	10.645	1.3402
SMC-F4C-1002-17	17	795	2140	1079	11.310	1.3402
SMC-F4C-1002-18	18	840	2266	1143	11.976	1.3402
SMC-F4C-1002-19	19	885	2392	1206	12.641	1.3402
SMC-F4C-1002-20	20	930	2518	1270	13.306	1.3402
SMC-F4C-1002-21	21	975	2644	1333	13.972	1.3402
SMC-F4C-1002-22	22	1020	2770	1397	14.637	1.3402
SMC-F4C-1002-23	23	1065	2896	1460	15.302	1.3402
SMC-F4C-1002-24	24	1110	3022	1524	15.967	1.3402
SMC-F4C-1002-25	25	1155	3148	1587	16.633	1.3402
SMC-F4C-1002-26	26	1200	3273	1651	17.298	1.3402
SMC-F4C-1002-27	27	1245	3399	1714	17.963	1.3402
SMC-F4C-1002-28	28	1290	3525	1778	18.629	1.3402
SMC-F4C-1002-29	29	1335	3651	1841	19.294	1.3402
SMC-F4C-1002-30	30	1380	3777	1905	19.959	1.3402
SMC-F4C-1002-31	31	1425	3903	1968	20.625	1.3402
SMC-F4C-1002-32	32	1470	4029	2032	21.290	1.3402
SMC-F4C-1002-33	33	1515	4155	2095	21.955	1.3402
SMC-F4C-1002-34	34	1560	4281	2159	22.621	1.3402
SMC-F4C-1002-35	35	1605	4407	2222	23.286	1.3402
SMC-F4C-1002-36	36	1650	4532	2286	23.951	1.3402
SMC-F4C-1002-37	37	1695	4658	2349	24.616	1.3402
SMC-F4C-1002-38	38	1740	4784	2413	25.282	1.3402
SMC-F4C-1002-39	39	1785	4910	2476	25.947	1.3402
SMC-F4C-1002-40	40	1830	5036	2540	26.612	1.3402