Declaration of Performance

No. 202009-1051

Florence 5 Column 1000mm

Unique product code:	SMC-F5C-1002
Type, batch or serial number:	SMC-F5C-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_C

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
5th November 2026



Castrads®

Appendix to DOP No. 202009-1051: Dimensions and thermal outputs

Panel dimensions: 1102mm high when floor standing, 179mm 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-F5C-1002-03	3	165	457	228	2.202	1.3640
SMC-F5C-1002-04	4	210	610	304	2.936	1.3640
SMC-F5C-1002-05	5	255	762	380	3.670	1.3640
SMC-F5C-1002-06	6	300	914	456	4.404	1.3640
SMC-F5C-1002-07	7	345	1067	532	5.138	1.3640
SMC-F5C-1002-08	8	390	1219	607	5.872	1.3640
SMC-F5C-1002-09	9	435	1372	683	6.605	1.3640
SMC-F5C-1002-10	10	480	1524	759	7.339	1.3640
SMC-F5C-1002-11	11	525	1676	835	8.073	1.3640
SMC-F5C-1002-12	12	570	1829	911	8.807	1.3640
SMC-F5C-1002-13	13	615	1981	987	9.541	1.3640
SMC-F5C-1002-14	14	660	2134	1063	10.275	1.3640
SMC-F5C-1002-15	15	705	2286	1139	11.009	1.3640
SMC-F5C-1002-16	16	750	2439	1215	11.743	1.3640
SMC-F5C-1002-17	17	795	2591	1291	12.477	1.3640
SMC-F5C-1002-18	18	840	2743	1367	13.211	1.3640
SMC-F5C-1002-19	19	885	2896	1443	13.945	1.3640
SMC-F5C-1002-20	20	930	3048	1519	14.679	1.3640
SMC-F5C-1002-21	21	975	3201	1595	15.413	1.3640
SMC-F5C-1002-22	22	1020	3353	1670	16.147	1.3640
SMC-F5C-1002-23	23	1065	3505	1746	16.881	1.3640
SMC-F5C-1002-24	24	1110	3658	1822	17.615	1.3640
SMC-F5C-1002-25	25	1155	3810	1898	18.349	1.3640
SMC-F5C-1002-26	26	1200	3963	1974	19.082	1.3640
SMC-F5C-1002-27	27	1245	4115	2050	19.816	1.3640
SMC-F5C-1002-28	28	1290	4267	2126	20.550	1.3640
SMC-F5C-1002-29	29	1335	4420	2202	21.284	1.3640
SMC-F5C-1002-30	30	1380	4572	2278	22.018	1.3640
SMC-F5C-1002-31	31	1425	4725	2354	22.752	1.3640
SMC-F5C-1002-32	32	1470	4877	2430	23.486	1.3640
SMC-F5C-1002-33	33	1515	5029	2506	24.220	1.3640
SMC-F5C-1002-34	34	1560	5182	2582	24.954	1.3640
SMC-F5C-1002-35	35	1605	5334	2658	25.688	1.3640
SMC-F5C-1002-36	36	1650	5487	2733	26.422	1.3640
SMC-F5C-1002-37	37	1695	5639	2809	27.156	1.3640
SMC-F5C-1002-38	38	1740	5791	2885	27.890	1.3640
SMC-F5C-1002-39	39	1785	5944	2961	28.624	1.3640
SMC-F5C-1002-40	40	1830	6096	3037	29.358	1.3640