Declaration of Performance

No. 202009-1021

Florence 3 Column 1000mm

Unique product code:	SMC-F3C-1002
Type, batch or serial number:	SMC-F3C-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.01004

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
15th October 2026

Castrads®

Appendix to DOP No. 202009-1021: Dimensions and thermal outputs

Panel dimensions: 1102mm high when floor standing, 103mm 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-F3C-1002-03	3	165	290	148	1.684	1.3165
SMC-F3C-1002-04	4	210	387	198	2.245	1.3165
SMC-F3C-1002-05	5	255	484	247	2.806	1.3165
SMC-F3C-1002-06	6	300	581	296	3.367	1.3165
SMC-F3C-1002-07	7	345	678	346	3.929	1.3165
SMC-F3C-1002-08	8	390	774	395	4.490	1.3165
SMC-F3C-1002-09	9	435	871	445	5.051	1.3165
SMC-F3C-1002-10	10	480	968	494	5.612	1.3165
SMC-F3C-1002-11	11	525	1065	543	6.174	1.3165
SMC-F3C-1002-12	12	570	1162	593	6.735	1.3165
SMC-F3C-1002-13	13	615	1258	642	7.296	1.3165
SMC-F3C-1002-14	14	660	1355	692	7.857	1.3165
SMC-F3C-1002-15	15	705	1452	741	8.418	1.3165
SMC-F3C-1002-16	16	750	1549	791	8.980	1.3165
SMC-F3C-1002-17	17	795	1646	840	9.541	1.3165
SMC-F3C-1002-18	18	840	1742	889	10.102	1.3165
SMC-F3C-1002-19	19	885	1839	939	10.663	1.3165
SMC-F3C-1002-20	20	930	1936	988	11.225	1.3165
SMC-F3C-1002-21	21	975	2033	1038	11.786	1.3165
SMC-F3C-1002-22	22	1020	2129	1087	12.347	1.3165
SMC-F3C-1002-23	23	1065	2226	1136	12.908	1.3165
SMC-F3C-1002-24	24	1110	2323	1186	13.470	1.3165
SMC-F3C-1002-25	25	1155	2420	1235	14.031	1.3165
SMC-F3C-1002-26	26	1200	2517	1285	14.592	1.3165
SMC-F3C-1002-27	27	1245	2613	1334	15.153	1.3165
SMC-F3C-1002-28	28	1290	2710	1383	15.714	1.3165
SMC-F3C-1002-29	29	1335	2807	1433	16.276	1.3165
SMC-F3C-1002-30	30	1380	2904	1482	16.837	1.3165
SMC-F3C-1002-31	31	1425	3001	1532	17.398	1.3165
SMC-F3C-1002-32	32	1470	3097	1581	17.959	1.3165
SMC-F3C-1002-33	33	1515	3194	1630	18.521	1.3165
SMC-F3C-1002-34	34	1560	3291	1680	19.082	1.3165
SMC-F3C-1002-35	35	1605	3388	1729	19.643	1.3165
SMC-F3C-1002-36	36	1650	3485	1779	20.204	1.3165
SMC-F3C-1002-37	37	1695	3581	1828	20.766	1.3165
SMC-F3C-1002-38	38	1740	3678	1877	21.327	1.3165
SMC-F3C-1002-39	39	1785	3775	1927	21.888	1.3165
SMC-F3C-1002-40	40	1830	3872	1976	22.449	1.3165