Declaration of Performance

No. 202009-1045

Florence 4 Column 400mm

Unique product code:	SMC-F4C-402
Type, batch or serial number:	SMC-F4C-402
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
4th November 2026



Castrads®

Appendix to DOP No. 202009-1045: Dimensions and thermal outputs

Panel dimensions: 502mm 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-402-03	3	165	164	86	1.130	1.2722
SMC-F4C-402-04	4	210	218	114	1.506	1.2722
SMC-F4C-402-05	5	255	273	143	1.883	1.2722
SMC-F4C-402-06	6	300	328	171	2.260	1.2722
SMC-F4C-402-07	7	345	382	200	2.636	1.2722
SMC-F4C-402-08	8	390	437	228	3.013	1.2722
SMC-F4C-402-09	9	435	492	257	3.389	1.2722
SMC-F4C-402-10	10	480	546	285	3.766	1.2722
SMC-F4C-402-11	11	525	601	314	4.143	1.2722
SMC-F4C-402-12	12	570	655	342	4.519	1.2722
SMC-F4C-402-13	13	615	710	371	4.896	1.2722
SMC-F4C-402-14	14	660	765	399	5.272	1.2722
SMC-F4C-402-15	15	705	819	428	5.649	1.2722
SMC-F4C-402-16	16	750	874	456	6.026	1.2722
SMC-F4C-402-17	17	795	929	485	6.402	1.2722
SMC-F4C-402-18	18	840	983	513	6.779	1.2722
SMC-F4C-402-19	19	885	1038	542	7.155	1.2722
SMC-F4C-402-20	20	930	1092	570	7.532	1.2722
SMC-F4C-402-21	21	975	1147	599	7.909	1.2722
SMC-F4C-402-22	22	1020	1202	627	8.285	1.2722
SMC-F4C-402-23	23	1065	1256	656	8.662	1.2722
SMC-F4C-402-24	24	1110	1311	684	9.038	1.2722
SMC-F4C-402-25	25	1155	1366	713	9.415	1.2722
SMC-F4C-402-26	26	1200	1420	741	9.792	1.2722
SMC-F4C-402-27	27	1245	1475	770	10.168	1.2722
SMC-F4C-402-28	28	1290	1529	799	10.545	1.2722
SMC-F4C-402-29	29	1335	1584	827	10.921	1.2722
SMC-F4C-402-30	30	1380	1639	856	11.298	1.2722
SMC-F4C-402-31	31	1425	1693	884	11.675	1.2722
SMC-F4C-402-32	32	1470	1748	913	12.051	1.2722
SMC-F4C-402-33	33	1515	1802	941	12.428	1.2722
SMC-F4C-402-34	34	1560	1857	970	12.804	1.2722
SMC-F4C-402-35	35	1605	1912	998	13.181	1.2722
SMC-F4C-402-36	36	1650	1966	1027	13.558	1.2722
SMC-F4C-402-37	37	1695	2021	1055	13.934	1.2722
SMC-F4C-402-38	38	1740	2076	1084	14.311	1.2722
SMC-F4C-402-39	39	1785	2130	1112	14.687	1.2722
SMC-F4C-402-40	40	1830	2185	1141	15.064	1.2722