Declaration of Performance

No. 202009-1042

Florence 4 Column 2200mm

Unique product code:	SMC-F4C-2202
Type, batch or serial number:	SMC-F4C-2202
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. 202009-1042: Dimensions and thermal outputs

Panel dimensions: 2302mm 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-2202-03	3	165	780	399	4.599	1.3123
SMC-F4C-2202-04	4	210	1040	532	6.131	1.3123
SMC-F4C-2202-05	5	255	1300	665	7.664	1.3123
SMC-F4C-2202-06	6	300	1560	798	9.197	1.3123
SMC-F4C-2202-07	7	345	1820	931	10.730	1.3123
SMC-F4C-2202-08	8	390	2080	1064	12.263	1.3123
SMC-F4C-2202-09	9	435	2340	1197	13.796	1.3123
SMC-F4C-2202-10	10	480	2600	1330	15.329	1.3123
SMC-F4C-2202-11	11	525	2860	1463	16.862	1.3123
SMC-F4C-2202-12	12	570	3121	1596	18.394	1.3123
SMC-F4C-2202-13	13	615	3381	1729	19.927	1.3123
SMC-F4C-2202-14	14	660	3641	1862	21.460	1.3123
SMC-F4C-2202-15	15	705	3901	1995	22.993	1.3123
SMC-F4C-2202-16	16	750	4161	2128	24.526	1.3123
SMC-F4C-2202-17	17	795	4421	2261	26.059	1.3123
SMC-F4C-2202-18	18	840	4681	2394	27.592	1.3123
SMC-F4C-2202-19	19	885	4941	2527	29.125	1.3123
SMC-F4C-2202-20	20	930	5201	2660	30.657	1.3123
SMC-F4C-2202-21	21	975	5461	2793	32.190	1.3123
SMC-F4C-2202-22	22	1020	5721	2926	33.723	1.3123
SMC-F4C-2202-23	23	1065	5981	3059	35.256	1.3123
SMC-F4C-2202-24	24	1110	6241	3192	36.789	1.3123
SMC-F4C-2202-25	25	1155	6501	3325	38.322	1.3123
SMC-F4C-2202-26	26	1200	6761	3459	39.855	1.3123
SMC-F4C-2202-27	27	1245	7021	3592	41.387	1.3123
SMC-F4C-2202-28	28	1290	7281	3725	42.920	1.3123
SMC-F4C-2202-29	29	1335	7541	3858	44.453	1.3123
SMC-F4C-2202-30	30	1380	7801	3991	45.986	1.3123
SMC-F4C-2202-31	31	1425	8061	4124	47.519	1.3123
SMC-F4C-2202-32	32	1470	8321	4257	49.052	1.3123
SMC-F4C-2202-33	33	1515	8581	4390	50.585	1.3123
SMC-F4C-2202-34	34	1560	8841	4523	52.118	1.3123
SMC-F4C-2202-35	35	1605	9102	4656	53.650	1.3123
SMC-F4C-2202-36	36	1650	9362	4789	55.183	1.3123
SMC-F4C-2202-37	37	1695	9622	4922	56.716	1.3123
SMC-F4C-2202-38	38	1740	9882	5055	58.249	1.3123
SMC-F4C-2202-39	39	1785	10142	5188	59.782	1.3123
SMC-F4C-2202-40	40	1830	10402	5321	61.315	1.3123