



Declaration of Performance

No. 202009-1038

Florence 4 Column 1500mm

Unique product code:	SMC-F4C-1502
Type, batch or serial number:	SMC-F4C-1502
Intended use of the construction product:	In heating systems in buildings
Manufacturer:	Castrads Limited 1 Kenwood Road Stockport SK5 6PH United Kingdom
System of AVCP:	System 3
Harmonized standard:	EN 442-1:2014
Notified body:	CETIAT Domaine Scientifique de la Doua 25 Avenue des Arts BP 52042 69603 Villeurbanne France
Test report number:	ENE/MRT.ITPL.01005

Declared performance

Essential characteristics	Performance	Harmonized technical specification
Reaction to fire	A1	EN 442-1:2014
Release of dangerous substances	None	
Pressure tightness	No leakage at 1.3 × maximum operating pressure [kPa]	
Surface temperature	Maximum 120 °C	
Resistance to pressure	No breakage at 1.69 × maximum operating pressure [kPa]	
Resistance to pressure	Maximum operating pressure: 1000 [kPa]	
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\phi = K_m \cdot \Delta T^n$ See appendix for factor K_m and exponent n	
Resistance against corrosion:	No corrosion after 100h humidity	
Resistance against minor impact:	Class 0	

Appendix: Dimensions and thermal outputs

Panel dimensions: 1602mm h, 139mm d for all numbers of sections. See table for length.

SKU	Number of sections	Length, mm	Output, W $\Delta T50$	Output, W $\Delta T30$	Factor, Km	Exponent, n
SMC-F4C-1502/03	3	165	548	278	3.042	1.32755
SMC-F4C-1502/04	4	210	730	371	4.057	1.32755
SMC-F4C-1502/05	5	255	913	464	5.071	1.32755
SMC-F4C-1502/06	6	300	1096	556	6.085	1.32755
SMC-F4C-1502/07	7	345	1278	649	7.099	1.32755
SMC-F4C-1502/08	8	390	1461	742	8.113	1.32755
SMC-F4C-1502/09	9	435	1643	834	9.127	1.32755
SMC-F4C-1502/10	10	480	1826	927	10.141	1.32755
SMC-F4C-1502/11	11	525	2009	1020	11.156	1.32755
SMC-F4C-1502/12	12	570	2191	1112	12.170	1.32755
SMC-F4C-1502/13	13	615	2374	1205	13.184	1.32755
SMC-F4C-1502/14	14	660	2556	1298	14.198	1.32755
SMC-F4C-1502/15	15	705	2739	1391	15.212	1.32755
SMC-F4C-1502/16	16	750	2922	1483	16.226	1.32755
SMC-F4C-1502/17	17	795	3104	1576	17.240	1.32755
SMC-F4C-1502/18	18	840	3287	1669	18.255	1.32755
SMC-F4C-1502/19	19	885	3469	1761	19.269	1.32755
SMC-F4C-1502/20	20	930	3652	1854	20.283	1.32755
SMC-F4C-1502/21	21	975	3835	1947	21.297	1.32755
SMC-F4C-1502/22	22	1020	4017	2039	22.311	1.32755
SMC-F4C-1502/23	23	1065	4200	2132	23.325	1.32755
SMC-F4C-1502/24	24	1110	4382	2225	24.339	1.32755
SMC-F4C-1502/25	25	1155	4565	2318	25.354	1.32755
SMC-F4C-1502/26	26	1200	4748	2410	26.368	1.32755
SMC-F4C-1502/27	27	1245	4930	2503	27.382	1.32755
SMC-F4C-1502/28	28	1290	5113	2596	28.396	1.32755
SMC-F4C-1502/29	29	1335	5295	2688	29.410	1.32755
SMC-F4C-1502/30	30	1380	5478	2781	30.424	1.32755
SMC-F4C-1502/31	31	1425	5661	2874	31.438	1.32755
SMC-F4C-1502/32	32	1470	5843	2966	32.452	1.32755
SMC-F4C-1502/33	33	1515	6026	3059	33.467	1.32755
SMC-F4C-1502/34	34	1560	6208	3152	34.481	1.32755
SMC-F4C-1502/35	35	1605	6391	3245	35.495	1.32755
SMC-F4C-1502/36	36	1650	6574	3337	36.509	1.32755
SMC-F4C-1502/37	37	1695	6756	3430	37.523	1.32755
SMC-F4C-1502/38	38	1740	6939	3523	38.537	1.32755
SMC-F4C-1502/39	39	1785	7121	3615	39.551	1.32755
SMC-F4C-1502/40	40	1830	7304	3708	40.566	1.32755

