



Declaration of Performance

No. 202009-1062

Florence 5 Column 600mm

Unique product code:	SMC-F5C-602
Type, batch or serial number:	SMC-F5C-602
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.RES.01003_C

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: 702mm h, 177mm 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-F5C-602/03	3	165	288	146	1.630	1.32248
SMC-F5C-602/04	4	210	384	195	2.173	1.32248
SMC-F5C-602/05	5	255	480	244	2.716	1.32248
SMC-F5C-602/06	6	300	575	293	3.259	1.32248
SMC-F5C-602/07	7	345	671	342	3.802	1.32248
SMC-F5C-602/08	8	390	767	390	4.345	1.32248
SMC-F5C-602/09	9	435	863	439	4.889	1.32248
SMC-F5C-602/10	10	480	959	488	5.432	1.32248
SMC-F5C-602/11	11	525	1055	537	5.975	1.32248
SMC-F5C-602/12	12	570	1151	586	6.518	1.32248
SMC-F5C-602/13	13	615	1247	634	7.061	1.32248
SMC-F5C-602/14	14	660	1343	683	7.604	1.32248
SMC-F5C-602/15	15	705	1439	732	8.148	1.32248
SMC-F5C-602/16	16	750	1534	781	8.691	1.32248
SMC-F5C-602/17	17	795	1630	830	9.234	1.32248
SMC-F5C-602/18	18	840	1726	878	9.777	1.32248
SMC-F5C-602/19	19	885	1822	927	10.320	1.32248
SMC-F5C-602/20	20	930	1918	976	10.863	1.32248
SMC-F5C-602/21	21	975	2014	1025	11.407	1.32248
SMC-F5C-602/22	22	1020	2110	1074	11.950	1.32248
SMC-F5C-602/23	23	1065	2206	1122	12.493	1.32248
SMC-F5C-602/24	24	1110	2302	1171	13.036	1.32248
SMC-F5C-602/25	25	1155	2398	1220	13.579	1.32248
SMC-F5C-602/26	26	1200	2493	1269	14.122	1.32248
SMC-F5C-602/27	27	1245	2589	1318	14.666	1.32248
SMC-F5C-602/28	28	1290	2685	1366	15.209	1.32248
SMC-F5C-602/29	29	1335	2781	1415	15.752	1.32248
SMC-F5C-602/30	30	1380	2877	1464	16.295	1.32248
SMC-F5C-602/31	31	1425	2973	1513	16.838	1.32248
SMC-F5C-602/32	32	1470	3069	1562	17.381	1.32248
SMC-F5C-602/33	33	1515	3165	1610	17.925	1.32248
SMC-F5C-602/34	34	1560	3261	1659	18.468	1.32248
SMC-F5C-602/35	35	1605	3357	1708	19.011	1.32248
SMC-F5C-602/36	36	1650	3452	1757	19.554	1.32248
SMC-F5C-602/37	37	1695	3548	1806	20.097	1.32248
SMC-F5C-602/38	38	1740	3644	1854	20.640	1.32248
SMC-F5C-602/39	39	1785	3740	1903	21.184	1.32248
SMC-F5C-602/40	40	1830	3836	1952	21.727	1.32248

