

# Castrads®

## Declaration of Performance

No. 202009-1016

Florence 2 Column 500mm

<b>Unique product code:</b>	SMC-F2C-502
<b>Type, batch or serial number:</b>	SMC-F2C-502
<b>Intended use of the construction product:</b>	In heating systems in buildings
<b>Manufacturer:</b>	Castrads Ltd 1 Kenwood Road North Reddish SK5 6PH, Manchester, United Kingdom
<b>System of AVCP:</b>	System 3
<b>Harmonized standard:</b>	EN 442-1:2014
<b>Notified body:</b>	Politecnico di Milano
<b>Test report number:</b>	ENE/MRT.RES.01003_A

### Declared performance

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	A1	
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]	EN 442-1:2014
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	

**Signed for and on behalf of the manufacturer by:**

Nicholas Baylis  
CEO  
Stockport, England  
3rd May 2026





## Appendix to DOP No. 202009-1016: Dimensions and thermal outputs

Panel dimensions: 602mm high when floor standing, 67mm 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-F2C-502-03	3	165	110	58	0.812	1.2545
SMC-F2C-502-04	4	210	147	77	1.083	1.2545
SMC-F2C-502-05	5	255	183	97	1.354	1.2545
SMC-F2C-502-06	6	300	220	116	1.625	1.2545
SMC-F2C-502-07	7	345	257	135	1.896	1.2545
SMC-F2C-502-08	8	390	293	154	2.167	1.2545
SMC-F2C-502-09	9	435	330	174	2.437	1.2545
SMC-F2C-502-10	10	480	367	193	2.708	1.2545
SMC-F2C-502-11	11	525	403	212	2.979	1.2545
SMC-F2C-502-12	12	570	440	232	3.250	1.2545
SMC-F2C-502-13	13	615	476	251	3.521	1.2545
SMC-F2C-502-14	14	660	513	270	3.792	1.2545
SMC-F2C-502-15	15	705	550	290	4.062	1.2545
SMC-F2C-502-16	16	750	586	309	4.333	1.2545
SMC-F2C-502-17	17	795	623	328	4.604	1.2545
SMC-F2C-502-18	18	840	660	348	4.875	1.2545
SMC-F2C-502-19	19	885	696	367	5.146	1.2545
SMC-F2C-502-20	20	930	733	386	5.417	1.2545
SMC-F2C-502-21	21	975	770	406	5.687	1.2545
SMC-F2C-502-22	22	1020	806	425	5.958	1.2545
SMC-F2C-502-23	23	1065	843	444	6.229	1.2545
SMC-F2C-502-24	24	1110	880	463	6.500	1.2545
SMC-F2C-502-25	25	1155	916	483	6.771	1.2545
SMC-F2C-502-26	26	1200	953	502	7.042	1.2545
SMC-F2C-502-27	27	1245	990	521	7.312	1.2545
SMC-F2C-502-28	28	1290	1026	541	7.583	1.2545
SMC-F2C-502-29	29	1335	1063	560	7.854	1.2545
SMC-F2C-502-30	30	1380	1100	579	8.125	1.2545
SMC-F2C-502-31	31	1425	1136	599	8.396	1.2545
SMC-F2C-502-32	32	1470	1173	618	8.667	1.2545
SMC-F2C-502-33	33	1515	1210	637	8.937	1.2545
SMC-F2C-502-34	34	1560	1246	657	9.208	1.2545
SMC-F2C-502-35	35	1605	1283	676	9.479	1.2545
SMC-F2C-502-36	36	1650	1319	695	9.750	1.2545
SMC-F2C-502-37	37	1695	1356	714	10.021	1.2545
SMC-F2C-502-38	38	1740	1393	734	10.292	1.2545
SMC-F2C-502-39	39	1785	1429	753	10.562	1.2545
SMC-F2C-502-40	40	1830	1466	772	10.833	1.2545