Declaration of Performance

No. 202009-1015

Florence 2 Column 400mm

Unique product code:	SMC-F2C-402
Type, batch or serial number:	SMC-F2C-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.RES.01003_A

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
2nd November 2026



Castrads®

Appendix to DOP No. 202009-1015: Dimensions and thermal outputs

Panel dimensions: 502mm 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-402-03	3	165	90	48	0.688	1.2466
SMC-F2C-402-04	4	210	120	64	0.918	1.2466
SMC-F2C-402-05	5	255	150	80	1.147	1.2466
SMC-F2C-402-06	6	300	181	96	1.377	1.2466
SMC-F2C-402-07	7	345	211	111	1.606	1.2466
SMC-F2C-402-08	8	390	241	127	1.836	1.2466
SMC-F2C-402-09	9	435	271	143	2.065	1.2466
SMC-F2C-402-10	10	480	301	159	2.294	1.2466
SMC-F2C-402-11	11	525	331	175	2.524	1.2466
SMC-F2C-402-12	12	570	361	191	2.753	1.2466
SMC-F2C-402-13	13	615	391	207	2.983	1.2466
SMC-F2C-402-14	14	660	421	223	3.212	1.2466
SMC-F2C-402-15	15	705	451	239	3.442	1.2466
SMC-F2C-402-16	16	750	482	255	3.671	1.2466
SMC-F2C-402-17	17	795	512	271	3.900	1.2466
SMC-F2C-402-18	18	840	542	287	4.130	1.2466
SMC-F2C-402-19	19	885	572	303	4.359	1.2466
SMC-F2C-402-20	20	930	602	318	4.589	1.2466
SMC-F2C-402-21	21	975	632	334	4.818	1.2466
SMC-F2C-402-22	22	1020	662	350	5.048	1.2466
SMC-F2C-402-23	23	1065	692	366	5.277	1.2466
SMC-F2C-402-24	24	1110	722	382	5.507	1.2466
SMC-F2C-402-25	25	1155	752	398	5.736	1.2466
SMC-F2C-402-26	26	1200	783	414	5.965	1.2466
SMC-F2C-402-27	27	1245	813	430	6.195	1.2466
SMC-F2C-402-28	28	1290	843	446	6.424	1.2466
SMC-F2C-402-29	29	1335	873	462	6.654	1.2466
SMC-F2C-402-30	30	1380	903	478	6.883	1.2466
SMC-F2C-402-31	31	1425	933	494	7.113	1.2466
SMC-F2C-402-32	32	1470	963	509	7.342	1.2466
SMC-F2C-402-33	33	1515	993	525	7.572	1.2466
SMC-F2C-402-34	34	1560	1023	541	7.801	1.2466
SMC-F2C-402-35	35	1605	1053	557	8.030	1.2466
SMC-F2C-402-36	36	1650	1084	573	8.260	1.2466
SMC-F2C-402-37	37	1695	1114	589	8.489	1.2466
SMC-F2C-402-38	38	1740	1144	605	8.719	1.2466
SMC-F2C-402-39	39	1785	1174	621	8.948	1.2466
SMC-F2C-402-40	40	1830	1204	637	9.178	1.2466