



# Castrads®

## Declaration of Performance

No. 202201-1081

Emmeline I 465mm

<b>Unique product code:</b>	CI-EML1-465
<b>Type, batch or serial number:</b>	CI-EML1-465
<b>Intended use of the construction product:</b>	In heating systems in buildings
<b>Manufacturer:</b>	Castrads Limited 1 Kenwood Road Stockport, SK5 6PH United Kingdom
<b>System of AVCP:</b>	System 3
<b>Harmonized standard:</b>	EN 442-1:2014
<b>Notified body:</b>	BSRIA Limited Old Bracknell Lane West Bracknell Berkshire, RG12 7AH United Kingdom
<b>Test report number:</b>	104331/2

## Declared performance

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	A1	
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]	EN 442-1:2014
Rated thermal outputs	Maximum operating pressure: 1000 [kPa]	
Thermal output in different operating conditions (characteristic curve)	See appendix 1	
Resistance against corrosion:	$\phi = K_m \cdot \Delta T^n$ . See appendix for factor $K_m$ and exponent $n$	
Resistance against minor impact:	No corrosion after 100h humidity	
	Class 0	

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

Nick Baylis  
CEO  
Stockport, England  
28th June 2025

## Appendix to DOP No. 202201-1081: Dimensions and thermal outputs

Panel dimensions: 465mm high when floor standing, 110mm deep for all numbers of sections. See table for length.

SKU	Number of sections	Length, mm	Output (Watts, $\Delta T50$ )	Output (Watts, $\Delta T30$ )	Factor, Km	Exponent, n
CI-EML1-465-03	3	230	134	69	0.983	1.2554
CI-EML1-465-04	4	296	178	92	1.311	1.2554
CI-EML1-465-05	5	363	223	115	1.639	1.2554
CI-EML1-465-06	6	429	267	138	1.966	1.2554
CI-EML1-465-07	7	496	312	161	2.294	1.2554
CI-EML1-465-08	8	562	356	184	2.622	1.2554
CI-EML1-465-09	9	629	401	207	2.950	1.2554
CI-EML1-465-10	10	695	445	230	3.277	1.2554
CI-EML1-465-11	11	762	490	253	3.605	1.2554
CI-EML1-465-12	12	828	534	276	3.933	1.2554
CI-EML1-465-13	13	895	579	299	4.261	1.2554
CI-EML1-465-14	14	961	623	322	4.588	1.2554
CI-EML1-465-15	15	1028	668	345	4.916	1.2554
CI-EML1-465-16	16	1094	712	368	5.244	1.2554
CI-EML1-465-17	17	1161	757	391	5.572	1.2554
CI-EML1-465-18	18	1227	801	414	5.899	1.2554
CI-EML1-465-19	19	1294	846	437	6.227	1.2554
CI-EML1-465-20	20	1360	890	460	6.555	1.2554
CI-EML1-465-21	21	1427	935	483	6.883	1.2554
CI-EML1-465-22	22	1493	979	506	7.210	1.2554
CI-EML1-465-23	23	1560	1024	529	7.538	1.2554
CI-EML1-465-24	24	1626	1068	552	7.866	1.2554
CI-EML1-465-25	25	1693	1113	575	8.194	1.2554
CI-EML1-465-26	26	1759	1157	598	8.521	1.2554
CI-EML1-465-27	27	1826	1202	621	8.849	1.2554
CI-EML1-465-28	28	1892	1246	644	9.177	1.2554
CI-EML1-465-29	29	1959	1291	667	9.504	1.2554
CI-EML1-465-30	30	2025	1335	690	9.832	1.2554
CI-EML1-465-31	31	2092	1380	713	10.160	1.2554
CI-EML1-465-32	32	2158	1424	736	10.488	1.2554
CI-EML1-465-33	33	2225	1469	759	10.815	1.2554
CI-EML1-465-34	34	2291	1513	782	11.143	1.2554
CI-EML1-465-35	35	2358	1558	805	11.471	1.2554
CI-EML1-465-36	36	2424	1602	828	11.799	1.2554
CI-EML1-465-37	37	2491	1647	851	12.126	1.2554
CI-EML1-465-38	38	2557	1691	874	12.454	1.2554
CI-EML1-465-39	39	2624	1736	897	12.782	1.2554
CI-EML1-465-40	40	2690	1780	920	13.110	1.2554