Declaration of Performance

No. 202009-1132-US

Rococo II 20in

Unique product code:	CI-RC2-510
Type, batch or serial number:	CI-RC2-510
Intended use of the construction product:	In heating systems in buildings
Manufacturer:	Castrads Ltd 1 Kenwood Road North Reddish SK5 6PH, Manchester, United Kingdom
Test standard:	EN 442-1:2014
Test laboratory:	BSRIA
Test report number:	59847

Declared performance

Essential characteristics	Performance	Reference standard
Reaction to fire	A1 — non-combustible	EN 442-1:2014
Release of dangerous substances	None	
Pressure tightness	No leakage at 1.3 × maximum working pressure (psi)	
Surface temperature	Maximum 248 °F	
Resistance to pressure	No breakage at 1.69 × maximum working pressure (psi) Maximum working pressure: 145 psi	
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\varphi = Km \cdot \Delta T^{n}$. See appendix for factor Km and exponent n.	
Resistance against corrosion	No corrosion after 100h humidity	
Resistance against minor impact	Class 0	

Performance values are derived from testing to EN 442-1:2014 and are presented here in US customary units for the North American market. This document is a statement of manufacturer performance data; it is not issued under, and does not imply conformity with, any US regulatory or certification scheme.

Signed for and on behalf of the manufacturer by:
Nick Baylis
CEO
Syosset, England
27th August 2026

Castrads®

Appendix to DoP No. 202009-1132-US: Dimensions and thermal outputs

Panel dimensions: 20.1 in (510 mm) high when floor standing, 8.1 in (205 mm) deep, for all numbers of sections. See table for length.

SKU	Num of sec.	Length, in	Output (Hydronic, 170°F)	Output (Steam, 215°F)	EDR	Factor, Km	Exponent, n
CI-RC2-510-03	3	10.4	930	1,474	6.0	1.678	1.2608
CI-RC2-510-04	4	13.5	1,240	1,965	8.0	2.237	1.2608
CI-RC2-510-05	5	16.6	1,549	2,456	10.1	2.796	1.2608
CI-RC2-510-06	6	19.7	1,859	2,948	12.1	3.355	1.2608
CI-RC2-510-07	7	22.8	2,169	3,439	14.1	3.915	1.2608
CI-RC2-510-08	8	25.8	2,479	3,930	16.1	4.474	1.2608
CI-RC2-510-09	9	28.9	2,789	4,421	18.1	5.033	1.2608
CI-RC2-510-10	10	32	3,099	4,913	20.1	5.592	1.2608
CI-RC2-510-11	11	35.1	3,409	5,404	22.1	6.151	1.2608
CI-RC2-510-12	12	38.2	3,719	5,895	24.1	6.711	1.2608
CI-RC2-510-13	13	41.3	4,029	6,386	26.2	7.270	1.2608
CI-RC2-510-14	14	44.3	4,338	6,878	28.2	7.829	1.2608
CI-RC2-510-15	15	47.4	4,648	7,369	30.2	8.388	1.2608
CI-RC2-510-16	16	50.5	4,958	7,860	32.2	8.948	1.2608
CI-RC2-510-17	17	53.6	5,268	8,352	34.2	9.507	1.2608
CI-RC2-510-18	18	56.7	5,578	8,843	36.2	10.066	1.2608
CI-RC2-510-19	19	59.8	5,888	9,334	38.2	10.625	1.2608
CI-RC2-510-20	20	62.8	6,198	9,825	40.2	11.184	1.2608
CI-RC2-510-21	21	65.9	6,508	10,317	42.2	11.744	1.2608
CI-RC2-510-22	22	69	6,818	10,808	44.3	12.303	1.2608
CI-RC2-510-23	23	72.1	7,127	11,299	46.3	12.862	1.2608
CI-RC2-510-24	24	75.2	7,437	11,790	48.3	13.421	1.2608
CI-RC2-510-25	25	78.3	7,747	12,282	50.3	13.981	1.2608
CI-RC2-510-26	26	81.3	8,057	12,773	52.3	14.540	1.2608
CI-RC2-510-27	27	84.4	8,367	13,264	54.3	15.099	1.2608
CI-RC2-510-28	28	87.5	8,677	13,755	56.3	15.658	1.2608
CI-RC2-510-29	29	90.6	8,987	14,247	58.3	16.217	1.2608
CI-RC2-510-30	30	93.7	9,297	14,738	60.4	16.777	1.2608
CI-RC2-510-31	31	96.7	9,607	15,229	62.4	17.336	1.2608
CI-RC2-510-32	32	99.8	9,916	15,720	64.4	17.895	1.2608
CI-RC2-510-33	33	102.9	10,226	16,212	66.4	18.454	1.2608
CI-RC2-510-34	34	106	10,536	16,703	68.4	19.013	1.2608
CI-RC2-510-35	35	109.1	10,846	17,194	70.4	19.573	1.2608
CI-RC2-510-36	36	112.2	11,156	17,686	72.4	20.132	1.2608
CI-RC2-510-37	37	115.2	11,466	18,177	74.4	20.691	1.2608
CI-RC2-510-38	38	118.3	11,776	18,668	76.5	21.250	1.2608
CI-RC2-510-39	39	121.4	12,086	19,159	78.5	21.810	1.2608
CI-RC2-510-40	40	124.5	12,396	19,651	80.5	22.369	1.2608

Output (Hydronic, 170°F): BTU/h at 170°F mean water, 68°F room. **Output (Steam, 215°F):** BTU/h at 215°F steam, 68°F room. **EDR:** square feet of Equivalent Direct Radiation at the reference condition (215°F steam, 70°F room; 1 sq ft = 240 BTU/h). Outputs are derived from the EN 442-1 power law $\varphi = Km \times \Delta T^{n}$ (ΔT = mean water − room, °C); BTU/h rounded to whole numbers, EDR to one decimal place.