



Declaration of Performance

No. 202009-1132

Rococo II 510mm

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 Limited 1 Kenwood Road Stockport SK5 6PH United Kingdom
System of AVCP:	System 3
Harmonized standard:	EN 442-1:2014
Notified body:	BSRIA Limited Old Bracknell Lane West Bracknell Berkshire RG12 7AH United Kingdom
Test report number:	59847

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: 510mm h, 206.8mm 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
CI-RC2-510/03	3	264	233	122	1.678	1.26080
CI-RC2-510/04	4	342	310	163	2.237	1.26080
CI-RC2-510/05	5	420	388	204	2.796	1.26080
CI-RC2-510/06	6	497	465	244	3.355	1.26080
CI-RC2-510/07	7	575	543	285	3.915	1.26080
CI-RC2-510/08	8	653	620	326	4.474	1.26080
CI-RC2-510/09	9	731	698	366	5.033	1.26080
CI-RC2-510/10	10	809	775	407	5.592	1.26080
CI-RC2-510/11	11	887	853	448	6.151	1.26080
CI-RC2-510/12	12	965	930	488	6.711	1.26080
CI-RC2-510/13	13	1043	1008	529	7.270	1.26080
CI-RC2-510/14	14	1121	1085	570	7.829	1.26080
CI-RC2-510/15	15	1199	1163	611	8.388	1.26080
CI-RC2-510/16	16	1276	1240	651	8.948	1.26080
CI-RC2-510/17	17	1354	1318	692	9.507	1.26080
CI-RC2-510/18	18	1432	1395	733	10.066	1.26080
CI-RC2-510/19	19	1510	1473	773	10.625	1.26080
CI-RC2-510/20	20	1588	1550	814	11.184	1.26080
CI-RC2-510/21	21	1666	1628	855	11.744	1.26080
CI-RC2-510/22	22	1744	1705	895	12.303	1.26080
CI-RC2-510/23	23	1822	1783	936	12.862	1.26080
CI-RC2-510/24	24	1900	1860	977	13.421	1.26080
CI-RC2-510/25	25	1978	1938	1018	13.981	1.26080
CI-RC2-510/26	26	2055	2015	1058	14.540	1.26080
CI-RC2-510/27	27	2133	2093	1099	15.099	1.26080
CI-RC2-510/28	28	2211	2170	1140	15.658	1.26080
CI-RC2-510/29	29	2289	2248	1180	16.217	1.26080
CI-RC2-510/30	30	2367	2325	1221	16.777	1.26080
CI-RC2-510/31	31	2445	2403	1262	17.336	1.26080
CI-RC2-510/32	32	2523	2480	1302	17.895	1.26080
CI-RC2-510/33	33	2601	2558	1343	18.454	1.26080
CI-RC2-510/34	34	2679	2635	1384	19.013	1.26080
CI-RC2-510/35	35	2757	2713	1425	19.573	1.26080
CI-RC2-510/36	36	2834	2790	1465	20.132	1.26080
CI-RC2-510/37	37	2912	2868	1506	20.691	1.26080
CI-RC2-510/38	38	2990	2945	1547	21.250	1.26080
CI-RC2-510/39	39	3068	3023	1587	21.810	1.26080
CI-RC2-510/40	40	3146	3100	1628	22.369	1.26080

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