

## Declaration of Performance

DOP No. RD-2.4920/1

1. *Unique identification code of the product type:*

**Leoni Lacquer**

2. *Serial Number:*

**“LEONXXXXXXL”**

3. *Intended Use/Uses:*

**In heating systems in buildings**

4. *Manufacturer:*

**IRSAP UK  
Units 13-14 Charlwoods Road  
East Grinstead  
West Sussex  
RH19 2HU  
[www.irsap.co.uk](http://www.irsap.co.uk)**

5. *System/Systems of AVCP:*

**System 3**

6. *Notified Body/Bodies:*

**POLITECNICO DI MILANO  
Dipartimento di ENERGIA  
Laboratorio M.R.T. (Misure Ricerche Termotecniche)  
Via Raffaele Lambruschini, 4  
20156 - MILANO - ITALY**

7. *Declared Performance:*

Radiator Direct is a brand of IRSAP

Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU  
Tel: 01342 305555 | email: [info@radiatorsdirect.co.uk](mailto:info@radiatorsdirect.co.uk) | Web: [www.radiatorsdirect.co.uk](http://www.radiatorsdirect.co.uk)

2 & 3 Column:

Essential Characteristics	Properties	Harmonised technical specification
Reaction to fire	A1	EN-442-1:2014
Release of dangerous substances	No Release	
Maximum working pressure	12 Bar	
Pressure tightness	No Leakage at 15.6 Bar	
Surface temperature maximum	95°C	
Resistance to pressure	No Breakage at 20.28 Bar	
Rated thermal outputs	See Table 1	
Thermal output in different operating conditions	$\Phi = K_M \times \Delta T^n$ K <sub>M</sub> & n see table 1	

4 Column:

Essential Characteristics	Properties	Harmonised technical specification
Reaction to fire	A1	EN-442-1:2014
Release of dangerous substances	No Release	
Maximum working pressure	8 Bar	
Pressure tightness	No Leakage at 10.4 Bar	
Surface temperature maximum	95°C	
Resistance to pressure	No Breakage at 13.5 Bar	
Rated thermal outputs	See Table 1	
Thermal output in different operating conditions	$\Phi = K_M \times \Delta T^n$ K <sub>M</sub> & n see table 1	

Table 1:

Radiator Direct is a brand of IRSAP

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# Radiators Direct

No. of Columns	Height (mm)	Width (mm)	Code	Output $\Delta T=50^{\circ}\text{C}$ (watts)	Output $\Delta T=30^{\circ}\text{C}$ (Watts)	Coefficient $K_M$	Exponent n
3	500	429	CORN3C504209HL	463	242	3.21543	1.27000
3	500	609	CORN3C506013HL	668	350	4.64451	1.27000
3	500	834	CORN3C508318HL	925	484	6.43086	1.27000
3	500	1014	CORN3C501022HL	1131	592	7.85994	1.27000
3	500	1194	CORN3C501126HL	1336	699	9.28902	1.27000
3	600	609	CORN3C606013HL	788	407	5.24771	1.28095
3	600	834	CORN3C608318HL	1091	563	7.26606	1.28095
3	600	1014	CORN3C601022HL	1333	689	8.88074	1.28095
3	600	1194	CORN3C601126HL	1576	814	10.49542	1.28095
4	500	474	CORN4C504710HL	669	347	4.365	1.28633
4	500	609	CORN4C506013HL	870	451	5.6745	1.28633
4	500	834	CORN4C508318HL	1204	625	7.857	1.28633
4	500	1014	CORN4C501022HL	1472	763	9.603	1.28633
4	500	1194	CORN4C501126HL	1739	902	11.349	1.28633
4	600	609	CORN4C606013HL	1027	529	6.33945	1.30044
4	600	834	CORN4C608318HL	1422	733	8.7777	1.30044
4	600	1014	CORN4C601022HL	1738	895	10.7283	1.30044
4	600	1194	CORN4C601126HL	2054	1058	12.6789	1.30044
2	1500	294	CORN2C152906VL	618	313	3.36984	1.33221
2	1500	384	CORN2C153808VL	824	418	4.49312	1.33221
2	1500	474	CORN2C154710VL	1030	522	5.6164	1.33221
2	1800	204	CORN2C182004VL	497	252	2.741	1.32939
2	1800	339	CORN2C183307VL	870	441	4.79675	1.32939
2	1800	429	CORN2C184209VL	1119	567	6.16725	1.32939
2	1800	519	CORN2C185111VL	1367	693	7.53775	1.32939
2	1800	609	CORN2C186013VL	1616	819	8.90825	1.32939
3	1800	339	CORN3C183307VL	1182	601	6.62683	1.32520
3	1800	429	CORN3C184209VL	1520	772	8.52021	1.32520
3	1800	519	CORN3C185111VL	1858	944	10.41359	1.32520
3	1800	609	CORN3C186013VL	2196	1115	12.30697	1.32520

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# Radiators Direct

*The performance of the product identified in point 1 is in conformity with the declared performances in point. This declaration of performance is issued under the sole responsibility of the manufacture identified in point 3*

**Andrew Phillips**



**Managing Director  
January 2021**

UK  
CAR

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