

	Declaration of Performance no. 0017 AS PER ARTS. 4, 6, 7 AND ANNEX III TO REG. (UE) 9-3-2011, No. 305/2011		MOD.CL.DDP – Rev. 00	
			Date	13/12/2021
				Page 1 of 4

1. Univocal product-type identification code: **SMOOTH (complete range)**
2. Type, lot, series no. or any other element that enables the construction product to be identified pursuant to article 11, paragraph 4: **SMOOTH**
3. Intended use(s) of the construction product according to the relative harmonised technical specification, as stated by the manufacturer: **Heat emitting radiators designed for permanent installation in heating systems of residential buildings, fed from a remote source with hot water or steam at a temperature < 120 °C. (EN 442-1-2 December 2004, EN 442-3 November 2004)**
4. Name, registered trade name or registered trademark and address of the manufacturer pursuant to article 11, paragraph 5: **Ridea S.r.l. – Via Enzo Ferrari, 1 – 62017 – Porto Recanati (MC) - ITALY**
Sede legale: Via Francesca, 20 - 54/A – 24040 – Ciserano (BG) - ITALY
5. If applicable, name and address of mandatary whose mandate includes the assignments as per article 12, paragraph 2: **N.A.**
6. System(s) for the assessment and verification of constancy of performance of the construction product, as per annex V: **system 3.**
7. In a declaration of performance concerning a construction product that comes under the scope of a harmonised standard:

Notified Testing Laboratory: Politecnico di Milano – Energy Department (Notified body number: 1695)

(name and identification number of notified body, if applicable)

has performed **type tests (standard UNI EN 442-1)** according to system 3.
(description of third party assignments as per annex V)

and has issued:

- **Determination of the thermal output of a heating body (Test report ENE/MRT.RES.08015 of 16/06/08)**
 - **Pressure tightness tests (Test report ENE/MRT.RES.08015 of 16/06/08)**
- (constancy of performance certificate, plant production control conformity certificate, test/design reports – as applicable)

.....
(name and identification number of organisation notified, if applicable)

.....
(description of third party assignments as per annex V)

and has issued:

.....
(constancy of performance certificate, plant production control conformity certificate, test/design reports – as applicable)

8. In a declaration of performance concerning a construction product for which a European technical assessment has been released:

N.A.

(name and identification number of technical assessment body, if applicable)

has released

.....
(reference number of European technical assessment)

based on

.....
(reference number of European assessment document)

performed according to system
(description of third party assignments as per annex V)

and has issued

.....
(constancy of performance certificate, plant production control conformity certificate, test/design reports – as applicable)

9. Performance declared

Notes to table:

1. Column 1 contains the list of the basic properties as defined in the harmonised technical specifications for the use(s) specified in § 3 above;
2. For each property listed in column 1 and conforming to the requirements as per article 6, this column gives the performance declared, expressed in terms of level, class, or through a description, in relation to the corresponding basic properties. If no performance has been declared, the column shows "NPD" (No Performance Determined);
3. For each basic property listed in column 1, column 3 gives:
 - a. A reference, with relative date, to the corresponding harmonised standard, and, if applicable, the reference number of the specific technical documentation, or that of the appropriate technical documentation used;
 - or
 - b. A reference, with relative date, to the corresponding European assessment document, if available, and the reference number of the European technical assessment used;

Basic properties (see note 1)	Performance (see note 2)	Harmonised technical spec. (see note 3)
Reaction to fire	A1	Tests on organic part of any paint or surface treatment substance to verify whether it is <1 % by mass. (Clause 5.1.7, standard EN 442-1:2004)
Release of hazardous substances	NO	Clause 4, standard EN 442-1:2004
Surface temperature	120° C maximum and corresponding to water supply temperature	EN 442-1:2004
Maximum operating pressure	6 bar	EN 442-1:2004
Pressure tightness (leak test)	7,8 bar	Clause 5.2, standard EN 442-1:2004
Pressure tightness (resistance test)	10,1 bar	Clause 5.3, standard EN 442-1:2004
Rated thermal output ΔT 50 K	See Table 1	Clause 6, standard EN 442-1:2004
Rated thermal output ΔT 30 K	See Table 1	Clause 6, standard EN 442-1:2004
Thermal power in different operating conditions (Characteristic equation)	$\Phi = K_m \times \Delta T^n$	Clause 6, standard EN 442-1:2004
Coefficient K_m	See Table 1	EN 442-1:2004
Coefficient n	See Table 1	EN 442-1:2004

If a specific technical document has been used, pursuant to art. 37 or art. 38, the requirements met by the product:

10. The performance of the product as per §§ 1 & 2 above conforms to the performance declared as per § 9.

TABELLA 1 (dati tecnici)

Modello	Potenza termica nominale a $\Delta T = 50 \text{ K}$	Potenza termica nominale a $\Delta T = 30 \text{ K}$	Coefficiente Km	Coefficiente n
Smooth (120/50)	563,0 Watt	298,4 Watt	4,348	1,243
Smooth (130/50)	609,0 Watt	321,4 Watt	4,559	1,251
Smooth (140/50)	654,0 Watt	343,7 Watt	4,742	1,259
Smooth (150/50)	698,0 Watt	365,4 Watt	4,900	1,267
Smooth (160/50)	740,0 Watt	387,4 Watt	5,192	1,267
Smooth (170/50)	780,0 Watt	408,3 Watt	5,472	1,267
Smooth (180/50)	819,0 Watt	428,5 Watt	5,742	1,268
Smooth (190/50)	857,0 Watt	448,4 Watt	6,000	1,268
Smooth (200/50)	892,0 Watt	466,7 Watt	6,246	1,268

Si rilascia la presente dichiarazione di prestazione sotto la responsabilità esclusiva del fabbricante di cui al punto 4.

Firmato a nome e per conto del fabbricante:

CHIARA FOGLIENI

Amministratore Delegato
(nome e funzioni)

Porto Recanati (MC – Italy) 13/12/2021
(luogo e data del rilascio)



Sede Legale: Via Francesco IMA - 24090 CERRANO (BG)
 Unica Sede: Via S. Pio Pardo, 1 - 62012 PORTO RECANATI (MC)
 Tel/Fax 0717508170 - REA BG-463592 - info@ridea.it
 P.I. 01692890433 - Cap. Soc. i.v. 100.000,00