

	<b>Declaration of Performance no.A0015</b> AS PER ARTS. 4, 6, 7 AND ANNEX III TO REG. (UE) 9-3-2011, No. 305/2011		MOD.CL.DDP – Rev. 00
			Date 19/04/2019
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1. Univocal product-type identification code: **PLISSET (500÷2000)**
  
2. Type, lot, series no. or any other element that enables the construction product to be identified pursuant to article 11, paragraph 4: **PLISSET**
  
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 December 2014, EN 442-2 December 2014)**
  
4. Name, registered trade name or registered trademark and address of the manufacturer pursuant to article 11, paragraph 5: **Al-Tech S.r.l. – Via E. Ferrari, 1 – 62017 – Porto Recanati (MC) - ITALIA**
  
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 1.**
  
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 1.  
(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.19003 DEL 05/03/2019)**
  - **Pressure tightness tests (Test report ENE/MRT.RES.19003 DEL 05/03/2019)**

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

**Notified Testing Laboratory: AQM S.r.l. (LAB N° 0095)**  
(name and identification number of organisation notified, if applicable)

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

and has issued:

  - **Adherence test and Corrosion test in salt mist. (Test report 2019-0533/PC9 del 27/02/19)**  
(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)
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Reaction to fire	A1	Tests on organic part of any paint or surface treatment substance to verify whether it is <1 % by mass. (Clause 5.2, standard EN 442-1:2014)
Release of hazardous substances	None	Clause 5.3, standard EN 442-1:2014
Surface temperature	120° C maximum and corresponding to water supply temperature	EN 442-1:2014
Maximum operating pressure	6 bar	EN 442-1:2014
Pressure tightness (leak test)	7,8 bar	Clause 5.4, standard EN 442-1:2014
Pressure tightness (resistance test)	10,10 bar	Clause 5.6, standard EN 442-1:2014
Rated thermal output $\Delta T$ 50 K	See Table 1	Clause 5.8, standard EN 442-1:2014
Rated thermal output $\Delta T$ 30 K	See Table 1	Clause 5.8, standard EN 442-1:2014
Thermal power in different operating conditions (Characteristic equation)	$\Phi = K_m \times \Delta T^n$	Clause 5.8, standard EN 442-1:2014
Coefficient $K_m$	See Table 1	Clause 5.8, standard EN 442-1:2014
Coefficient $n$	See Table 1	Clause 5.8, standard EN 442-1:2014
Durability (impact resistance lightweight)	Level 0	Clause 5.9, standard EN 442-1:2014
Durability (corrosion test)	No corrosions after 100 h in salt mist	Clause 5.9, standard EN 442-1:2014

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

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

Modell	Rated thermal output $\Delta T$ 50 K	Rated thermal output $\Delta T$ 30 K	Coefficient Km	Coefficient n
PLISSET 500	105 Watt/elemento	54,8 Watt/elemento	0,72381	1,27223
PLISSET 600	122,2 Watt/elemento	63,6 Watt/elemento	0,82179	1,27854
PLISSET 700	138,9 Watt/elemento	72,1 Watt/elemento	0,91162	1,28485
PLISSET 800	155,2 Watt/elemento	80,3 Watt/elemento	0,99388	1,29116
PLISSET 900	171,2 Watt/elemento	88,2 Watt/elemento	1,06934	1,29747
PLISSET 1000	186,8 Watt/elemento	96,0 Watt/elemento	1,13840	1,30378
PLISSET 1100	202,1 Watt/elemento	103,9 Watt/elemento	1,23549	1,30297
PLISSET 1200	217,1 Watt/elemento	111,6 Watt/elemento	1,33128	1,30216
PLISSET 1300	231,8 Watt/elemento	119,2 Watt/elemento	1,42595	1,30136
PLISSET 1400	246,2 Watt/elemento	126,7 Watt/elemento	1,51947	1,30055
PLISSET 1500	260,4 Watt/elemento	134,0 Watt/elemento	1,61202	1,29974
PLISSET 1600	274,3 Watt/elemento	141,2 Watt/elemento	1,69980	1,29950
PLISSET 1700	288,0 Watt/elemento	148,3 Watt/elemento	1,78626	1,29926
PLISSET 1800	301,4 Watt/elemento	155,2 Watt/elemento	1,87138	1,29902
PLISSET 1900	314,6 Watt/elemento	162,1 Watt/elemento	1,95529	1,29878
PLISSET 2000	327,6 Watt/elemento	168,8 Watt/elemento	2,03800	1,29854

This declaration of performance is released under the sole responsibility of the manufacturer as per § 4 above.

Signed in the name and on behalf of:

Chiara Foglieni  
Legal representative

Porto Recanati (MC – Italy)

04/03/20

FIRMA DIGITALE