



CERTIFICATO n. **7319**
CERTIFICATE No

SI CERTIFICA CHE L'ORGANIZZAZIONE
WE HEREBY CERTIFY THAT THE ORGANIZATION

RADIATORI 2000 SPA

IT - 24040 CISERANO (BG) - VIA FRANCESCA 54/A

NELLE SEGUENTI UNITA' OPERATIVE / IN THE FOLLOWING OPERATIVE UNITS

IT - 24040 CISERANO (BG) - VIA FRANCESCA 54/A

IT - 24040 CISERANO (BG) - VIA FRANCESCA 60

HA ATTUATO E MANTIENE UN SISTEMA DI GESTIONE QUALITA' CHE E' CONFORME ALLA NORMA
HAS IMPLEMENTED AND MAINTAINS A QUALITY MANAGEMENT SYSTEM WHICH COMPLIES WITH THE FOLLOWING STANDARD

UNI EN ISO 9001:2015

PER LE SEGUENTI ATTIVITA' / FOR THE FOLLOWING ACTIVITIES **SETTORE** **IAF 17**
CODE

Progettazione e produzione di radiatori in alluminio pressofuso per il mercato diffuso e in alluminio estruso e pressofuso per il mercato di design. Produzione di prodotti metallici di fusione e pani di alluminio

Design and production of die-cast aluminum radiators out of die-cast steel for the widespread market and extruded and die-cast aluminum radiators for the design market. Production of cast metal products and aluminum ingots.

IL PRESENTE CERTIFICATO E' SOGGETTO AL RISPETTO DEL REGOLAMENTO PER LA CERTIFICAZIONE DEI SISTEMI DI GESTIONE
THE USE AND THE VALIDITY OF THE CERTIFICATE SHALL SATISFY THE REQUIREMENTS OF THE RULES FOR THE CERTIFICATION OF MANAGEMENT SYSTEMS

PRIMA EMISSIONE **20/02/2004**
FIRST ISSUE
DATA DELIBERA **10/01/2018**
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DATA SCADENZA **22/12/2018**
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ISSUE DATE

CERTIQUALITY S.F.I. - IL PRESIDENTE
Via G. Giardino 4 - 20123 MILANO (MI) - ITALY



SGQ n. 008 A SSI N. 007 G
SGA n. 001 D SGE N. 001 M
SCR n. 002 F ISP N. 008 O
FSM n. 006 I EMAS N. 008 P
PRD n. 008 B ITX N. 004 L
DAP n. 003 H
PRS n. 100 C

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Signatory of EA, IAF and ILAC Mutual Recognition Agreements

C01 ED 03 010616

CISQ is a member of



IQNet, the association of the world's first class certification bodies, is the largest provider of management System Certification in the world.
IQNet is composed of more than 30 bodies and counts over 150 subsidiaries all over the globe.

For information concerning the validity of the certificate, you can visit the site www.certiquality.it

The validity this certificate depends on annual audit and on a complete review every three years of the Management System.



www.cisq.com

CISQ è la Federazione Italiana di Organismi di Certificazione dei sistemi di gestione aziendale.
CISQ is the Italian Federation of management system Certification Bodies.



ISTITUTO DI CERTIFICAZIONE DELLA QUALITÀ
www.certiquality.it

CERTIFICATO n. **22356**
CERTIFICATE No

SI CERTIFICA CHE L'ORGANIZZAZIONE
WE HEREBY CERTIFY THAT THE ORGANIZATION

RADIATORI 2000 SPA

IT - 24040 CISERANO (BG) - VIA FRANCESCA 54/A

NEI SEGUENTI SITI / IN THE FOLLOWING SITES

IT - 24040 CISERANO (BG) - VIA FRANCESCA 54/A

IT - 24040 CISERANO (BG) - VIA FRANCESCA 60

HA ATTUATO E MANTIENE UN SISTEMA DI GESTIONE SICUREZZA CHE E' CONFORME ALLA NORMA
HAS IMPLEMENTED AND MAINTAINS A SAFETY MANAGEMENT SYSTEM WHICH COMPLIES WITH THE FOLLOWING STANDARD

OHSAS 18001:2007

PER LE SEGUENTI ATTIVITA' / FOR THE FOLLOWING ACTIVITIES **EA 17**

Progettazione, produzione (fusione di rottami di alluminio EoW o rifiuti recuperati ad EoW con forni ad ossicombustione, pressofusione, assemblaggio, verniciatura) e vendita di radiatori in alluminio per il mercato diffuso. Progettazione, produzione (Assemblaggio) e vendita di radiatori in alluminio per il mercato di design. Produzione (Fusione di rottami di alluminio EoW o rifiuti recuperati ad EoW con forni ad ossicombustione e colata) e vendita di pani e prodotti metallici di fusione in alluminio.

Design, production (melting of aluminum scraps EoW or salvaged scraps metal to EoW with oxyfuel furnaces, die casting, assembly, painting) and sale of aluminum radiators for the large retail market.

Design, production (assembly) and sale of aluminum radiators for the design market. Production (melting of aluminum scraps EoW or salvaged scraps metal to EoW with oxyfuel furnaces and casting) and sale of aluminium ingots and cast metal products in aluminium.

Certificazione rilasciata in conformità al Regolamento Tecnico SINCERT RT 12

IL PRESENTE CERTIFICATO E' SOGGETTO AL RISPETTO DEL REGOLAMENTO PER LA CERTIFICAZIONE DEI SISTEMI DI GESTIONE
THE USE AND THE VALIDITY OF THE CERTIFICATE SHALL SATISFY THE REQUIREMENTS OF THE RULES FOR THE CERTIFICATION OF MANAGEMENT SYSTEMS

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FIRST ISSUE 23/12/2015
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EXPIRY DATE 22/12/2018


CERTIQUALITY S.r.l. - IL PRESIDENTE
Via G. Giardino 4 - 20123 MILANO (MI) - ITALY

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THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CISQ/CERTIQUALITY S.r.l.

as an IQNet Partner hereby states that the organization:

RADIATORI 2000 SPA

IT - 24040 CISERANO (BG) - VIA FRANCESCA 54/A

for the following scope

Design and production (melting of aluminum scraps EoW or salvaged scraps metal to EoW with oxyfuel furnaces, die casting, assembly, painting) of aluminum radiators for the large retail market . Design and production (assembly) of aluminum radiators for the design market. Production (melting of aluminum scraps EoW or salvaged scraps metal to EoW with oxyfuel furnaces and casting) of aluminium ingots and cast metal products in aluminium.

has implemented and maintains a

Environmental Management System

which fulfills the requirements of the following standard

ISO 14001:2015

Issued on: **2018-01-10**

Certified since: **2015-12-23**

for the validity date, please refer to the original Certificate* issued by CISQ/Certiquality s.r.l.

Registration number: **IT-100178**



Alex Stoichitoiu
President of IQNET



Ing. Claudio Provetti
President of CISQ

*IQNet Partners**:*

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- CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany FCAV Brazil
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- IRAM Argentina JQA Japan KFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland PCBC Poland
- Quality Austria Austria RR Russia SIGE México SII Israel SIQ Slovenia SIRIM QAS International Malaysia
- SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey Vinçotte Belgium YUQS Serbia
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* This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document

** The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com



CERTIFICATO n. **22355**
CERTIFICATE No

SI CERTIFICA CHE L'ORGANIZZAZIONE
WE HEREBY CERTIFY THAT THE ORGANIZATION

RADIATORI 2000 SPA

IT - 24040 CISERANO (BG) - VIA FRANCESCA 54/A

NEI SEGUENTI SITI / IN THE FOLLOWING SITES

IT - 24040 CISERANO (BG) - VIA FRANCESCA 54/A

IT - 24040 CISERANO (BG) - VIA FRANCESCA 60

HA ATTUATO E MANTIENE UN SISTEMA DI GESTIONE AMBIENTE CHE E' CONFORME ALLA NORMA
HAS IMPLEMENTED AND MAINTAINS A ENVIRONMENT MANAGEMENT SYSTEM WHICH COMPLIES WITH THE FOLLOWING STANDARD

UNI EN ISO 14001:2015

PER LE SEGUENTI ATTIVITA' / FOR THE FOLLOWING ACTIVITIES

SETTORE
CODE **IAF 17**

VEDASI ALLEGATO / SEE ANNEX

Certificazione rilasciata in conformità al Regolamento Tecnico ACCREDIA RT 09

IL PRESENTE CERTIFICATO E' SOGGETTO AL RISPETTO DEL REGOLAMENTO PER LA CERTIFICAZIONE DEI SISTEMI DI GESTIONE
THE USE AND THE VALIDITY OF THE CERTIFICATE SHALL SATISFY THE REQUIREMENTS OF THE RULES FOR THE CERTIFICATION OF MANAGEMENT SYSTEMS

IL PRESENTE CERTIFICATO NON E' DA RITENERSI VALIDO SE NON ACCOMPAGNATO DAL RELATIVO ALLEGATO
THIS CERTIFICATE IS NOT VALID WITHOUT THE RELATIVE ANNEX

PRIMA EMISSIONE **23/12/2015**
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CERTIQUALITY S.F.I. - IL PRESIDENTE
Via G. Giardino 4 - 20123 MILANO (MI) - ITALY



SGQ n. 008 A SSI N. 007 G
SGA n. 001 D SGE N. 001 M
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DAP n. 003 H
PRS n. 100 C

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Riconoscimento EA, IAF e ILAC
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C01 ED 03 010616

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For information concerning the validity
of the certificate, you can visit the site
www.certiquality.it

The validity this certificate depends
on annual audit and on a complete
review every three years of the
Management System.



www.cisq.com

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CISQ is the Italian Federation of management
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RADIATORI 2000 SPA

For information concerning the validity of the certificate, you can visit the site www.certiquality.it

The validity this certificate depends on annual audit and on a complete review every three years of the Management System.

ATTIVITA' / ACTIVITIES

Progettazione e produzione (fusione di rottami di alluminio EoW o rifiuti recuperati ad EoW con forni ad ossicombustione, pressofusione, assemblaggio, verniciatura) di radiatori in alluminio per il mercato diffuso. Progettazione e produzione (Assemblaggio) di radiatori in alluminio per il mercato di design.

Produzione (Fusione di rottami di alluminio EoW o rifiuti recuperati ad EoW con forni ad ossicombustione e colata) di pani e prodotti metallici di fusione in alluminio.

*Design and production (melting of aluminum scraps EoW or salvaged scraps metal to EoW with oxyfuel furnaces, die casting, assembly, painting) of aluminum radiators for the large retail market .
Design and production (assembly) of aluminum radiators for the design market. Production (melting of aluminum scraps EoW or salvaged scraps metal to EoW with oxyfuel furnaces and casting) of aluminium ingots and cast metal products in aluminium.*

IL PRESENTE ALLEGATO NON E' DA RITENERSI VALIDO SE NON ACCOMPAGNATO DAL RELATIVO CERTIFICATO
THIS ANNEX IS NOT VALID WITHOUT THE RELEVANT CERTIFICATE

PRIMA EMISSIONE **23/12/2015**
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ISSUE DATE

CERTIQUALITY S.p.A. - IL PRESIDENTE
Via G. Giardino 4 - 20123 MILANO (MI) - ITALY



SGQ n. 005 A SSI N. 007 G
SGA n. 001 D SGE N. 001 M
SCR n. 002 F ISP N. 006 O
FSM n. 006 I EMAS N. 008 P
PRD n. 008 B ITX N. 004 L
DAP n. 003 H
PRS n. 100 C

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements



www.cisq.com

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CISQ is the Italian Federation of management system Certification Bodies.

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THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CISQ/CERTIQUALITY S.r.l.

as an IQNet Partner hereby states that the organization:

RADIATORI 2000 SPA

IT - 24040 CISERANO (BG) - VIA FRANCESCA 54/A

for the following scope

Designand production of die-cast aluminum radiators out of die-cast steel for the widespread market and extruded and die-cast aluminum radiators for the design market. Production of cast metal products and aluminum ingots.

has implemented and maintains a

Quality Management System

which fulfills the requirements of the following standard

ISO 9001:2015

Issued on: **2018-01-10**

Certified since: **2004-02-20**

for the validity date, please refer to the original Certificate* issued by CISQ/Certiquality s.r.l.

Registration number: **IT-32907**



Alex Stoichitoiu
President of IQNET



Ing. Claudio Provetti
President of CISQ

IQNet Partners**:

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CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany FCAV Brazil
FONDONORMA Venezuela ICONTEC Colombia Inspecta Certification Finland INTECO Costa Rica
IRAM Argentina JQA Japan KFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland PCBC Poland
Quality Austria Austria RR Russia SIGE México SII Israel SIQ Slovenia SIRIM QAS International Malaysia
SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey Vinçotte Belgium YUQS Serbia
IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

* This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document

** The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com



POLITECNICO DI MILANO - DIPARTIMENTO DI ENERGIA

Laboratorio Misure Ricerche Termotecniche M.R.T. - Notified body number: 1695

Laboratorio abilitato ai sensi della direttiva 89/106/CE dal Ministero delle Attività Produttive, Prot. N. 19379; 04 Aprile 2005

Laboratory notified according 89/106/CE Directive by Italian Ministry in charge; Prot. N. 19379; 04 April 2005

Laboratorio di riferimento conforme a EN 442/ Reference Laboratory according EN 442

Accreditamento n° / Assessment report No : N° 104 Rilasciato da / Issued by : SIT data / date : 11 / 04 / 2002

Indirizzo/ Address: Piazza Leonardo da Vinci, 32 - 20133 Milano - ITALY

Phone +39 02 2399 3834 or +39 02 2399 3849; fax +39 02 2399 3940 or +39 02 2399 3863; e-mail : mrt@polimi.it

Attestato **CE** di Tipo

CE Type examination

Direttiva Prodotti da Costruzione 89/106/CEE

Construction Product Directive 89/106/CEE

Documento n°: ENE/MRT.EEC.10028

Il Politecnico di Milano – Laboratorio Misure e Ricerche Termotecniche - M.R.T. esaminati i Rapporti di Prova e la Documentazione fornita dal Costruttore

Politecnico di Milano - M.R.T. Laboratory,

after examination and verification of test reports and declarations furnished by Manufacturer

DICHIARA / ATTEST

Tipo di corpo scaldante / Type of heating body:

RADIATORI / Radiators

Fabbricati da / Manufactured by:

**RADIATORI 2000
Via Francesca, 54/a
24040 – Ciserano (BG) – ITALIA**

Marchio commerciale / Trade mark:

RADIATORI 2000

Gamma

I modelli che compongono la
Gamma sono elencati in Tabella 1

Type

Models that constitute the
Type are written in Tabella 1

HELYOS 2010 - LS

Materiale / material:

ALLUMINIO / Aluminium

Designazione / designation:

**Radiatore componibile a elementi verticali;
la circolazione d'acqua è prevalentemente verticale.
Modular radiator; water circulation is mostly vertical.**

E' conforme ai requisiti essenziali della Direttiva Prodotti da Costruzione 89/106/CEE.

Complies with the essential requirements of the Product of Construction Directive 89/106/CEE.

**Responsabile delle prove
Operator**

P.I. Claudio Tarini

**Responsabile Laboratorio
Laboratory Manager**

Prof. Ing. Renzo Marchesi

**Direttore Dipartimento
Institut Director**

Prof. Ing. Ennio Macchi

Milano: 30/07/2010



AENOR

AENOR Product Certificate Radiators and convectors



057/000790

AENOR certifies that the organization

RADIATORI 2000 S.P.A.

registered office VIA FRANCESCA 54/A 24040 CISERANO ((Bg) - Italia)

supplies Radiators and convectors

in compliance with UNE-EN 442-1:2015 (EN 442-1:2014)

References Specified in Annex to the Certificate

Production site VIA FRANCESCA 54/A 24040 CISERANO ((Bg) - Italia)

Certification scheme In order to grant this Certificate, AENOR has tested the product and has verified the quality system implemented for its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with Specific Rules RP 57.01.

This certificate supersedes 057/000790, dated 2017-12-26

First issued on 2014-12-16
Modified on 2018-01-26
Validity date 2019-04-27

A handwritten signature in blue ink, appearing to read 'Rafael Garcia Meiro'.

Rafael GARCÍA MEIRO
Chief Executive Officer

AENOR

AENOR Product Certificate Radiators and convectors

057/000790

Annex to Certificate

Family	Trademark	Type	Reference	Height (m)	Exponent n	Thermal output	Working pressure (bar)
ALUMINIO INYECTADO	RADIATORI 2000	HELYOS	HELYOS LS-350	0.431	1.2830	91.6 (W/el.)	10
ALUMINIO INYECTADO	RADIATORI 2000	HELYOS	HELYOS LS-500	0.581	1.3000	121.3 (W/el.)	10
ALUMINIO INYECTADO	RADIATORI 2000	HELYOS	HELYOS LS-600	0.681	1.3113	139.9 (W/el.)	10
ALUMINIO INYECTADO	RADIATORI 2000	HELYOS	HELYOS LS-700	0.781	1.3178	157.5 (W/el.)	10
ALUMINIO INYECTADO	RADIATORI 2000	HELYOS	HELYOS LS-800	0.881	1.3242	174.1 (W/el.)	10

Original Electronic Certificate

First issued on 2014-12-16
Modified on 2018-01-26
Validity date 2019-04-27

AENOR INTERNACIONAL S.A.U.
Génova, 6. 28004 Madrid. España
Tel. 91 432 60 00.- www.aenor.com

Product certification body accredited by ENAC, number 01/C-PR271



Dichiarazione di prestazione nr° Y500

DI CUI AGLI ARTT. 4, 6, 7 E ALLEGATO III DEL REG. (UE) 9-3-2011, N. 305/2011

MOD.CL.DDP – Rev. 00

Data 06/05/13

Pagina 1 di 3

1. Codice di identificazione unico del prodotto-tipo: **HELYOS/R 500**
2. Numero di tipo, lotto, serie o qualsiasi altro elemento che consenta l'identificazione del prodotto da costruzione ai sensi dell'articolo 11, paragrafo 4: **HELYOS**
3. Uso o usi previsti del prodotto da costruzione, conformemente alla relativa specifica tecnica armonizzata, come previsto dal fabbricante: **radiatori per l'emissione di calore destinati all'installazione permanente in impianti di riscaldamento di edifici ad uso abitativo, alimentati da sorgente remota di acqua calda o vapore a temperatura minore di 120° C. (EN 442-1-2 dicembre 2004, EN 442-3 novembre 2004)**
4. Norme, denominazione commerciale registrata o marchio registrato e indirizzo del fabbricante ai sensi dell'articolo 11, paragrafo 5: **Radiatori 2000 S.p.a. – Via Francesca, 54/A – 24040 – Ciserano (BG) - ITALIA**
5. Se opportuno, nome e indirizzo del mandatario il cui mandato copre i compiti cui all'articolo 12, paragrafo 2: **N.A.**
6. Sistema o sistemi di validazione e verifica della costanza della prestazione del prodotto da costruzione di cui all'allegato V: **sistema 3.**
7. Nel caso di una dichiarazione di prestazione relativa ad un prodotto da costruzione che rientra nell'ambito di applicazione di una norma armonizzata:

Laboratorio di Prova Notificato: Santekhoborudovanie di Mosca (Notified body number: Nr° GOST P.RU.9001.6.2.0004, GOST P 22.10.99)

(nome e numero di identificazione dell'organismo notificato, se pertinente)

ha effettuato **prove di tipo (norma UNI EN 442-1)** secondo il sistema **3.**

(descrizione dei compiti di parte terza di cui all'allegato V)

e ha rilasciato:

- **Determinazione della potenza termica di un corpo scaldante (Protocollo N° 981 del 03/07/02)**
- **Prove di tenuta a pressione (Protocollo N° 981 del 03/07/02)**

(certificato di costanza della prestazione, certificato di conformità del controllo della produzione di fabbrica, relazioni di prova/calcolo – a seconda dei casi)

Laboratorio di Prova Notificato: AQM S.r.l. (LAB N° 0095)

(nome e numero di identificazione dell'organismo notificato, se pertinente)

ha effettuato **prove di tipo (norma UNI EN 442-1)** secondo il sistema **3.**

(descrizione dei compiti di parte terza di cui all'allegato V)

e ha rilasciato:

- **Prova di aderenza e Prova di corrosione in nebbia salina. (Rapporto di prova 2008-2679/PC del 08/09/08)**
- **Prove di tenuta a pressione (Rapporto di prova 2002-1086 del 22/05/02)**

(certificato di costanza della prestazione, certificato di conformità del controllo della produzione di fabbrica, relazioni di prova/calcolo – a seconda dei casi)



Dichiarazione di prestazione nr° Y500

DI CUI AGLI ARTT. 4, 6, 7 E ALLEGATO III DEL REG. (UE) 9-3-2011, N. 305/2011

MOD.CL.DDP – Rev. 00

Data 06/05/13

Pagina 2 di 3

8. Nel caso di una dichiarazione di prestazione relativa ad un prodotto da costruzione per il quale è stata rilasciata una valutazione tecnica europea:

N.A.

(nome e numero di identificazione dell'organismo di valutazione tecnica, se pertinente)

ha rilasciato

.....
(numero di riferimento della valutazione tecnica europea)

in base a

.....
(numero di riferimento del documento per la valutazione europea)

effettuata secondo il sistema
(descrizione dei compiti di parte terza di cui all'allegato V)

e ha rilasciato

.....
(certificato di costanza della prestazione, certificato di conformità del controllo della produzione in fabbrica, relazioni di prova/calcolo – a seconda dei casi)

9. Prestazione dichiarata

Note relative alla tabella:

1. La colonna 1 contiene l'elenco delle caratteristiche essenziali definite dalle specifiche tecniche armonizzate per l'uso o gli usi di cui al punto 3;
2. Per ciascuna caratteristica elencata nella colonna 1 e conformemente ai requisiti di cui all'articolo 6, la colonna contiene la prestazione dichiarata, espressa in termini di livello, classe o mediante una descrizione, in relazione alle caratteristiche essenziali corrispondenti. Le lettere "NPD" (nessuna prestazione determinata) ove non sia dichiarata alcuna prestazione;
3. Per ciascuna caratteristica essenziale elencata nella colonna 1 la colonna 3 contiene:
 - a. Il riferimento datato della norma armonizzata corrispondente e, se pertinente, il numero di riferimento della documentazione tecnica specifica o della documentazione tecnica appropriata utilizzata;

oppure
 - b. Il riferimento datato del documento per la valutazione europea corrispondente, se disponibile, ed il numero di riferimento della valutazione tecnica europea utilizzata;



Dichiarazione di prestazione nr° Y500

DI CUI AGLI ARTT. 4, 6, 7 E ALLEGATO III DEL REG. (UE) 9-3-2011, N. 305/2011

MOD.CL.DDP – Rev. 00

Data 06/05/13

Pagina 3 di 3

Caratteristiche essenziali (cfr. nota 1)	Prestazione (cfr. nota 2)	Specifica tecnica armonizzata (cfr. nota 3)
Reazione al fuoco	A1	Prove sulla parte organica di qualsiasi vernice o trattamento superficiale per verificare che sia inferiore all'1 % in massa. (Punto 5.1.7 norma EN 442-1:2004)
Emissione di sostanze pericolose	NO	Punto 4 norma EN 442-1:2004.
Temperatura superficiale	120° C massimi e corrispondenti alla temperatura di mandata dell'acqua	EN 442-1:2004
Pressione massima di esercizio	16 bar	EN 442-1:2004
Tenuta alla pressione (prova di tenuta)	24 bar	Punto 5.2 norma EN 442-1:2004
Tenuta alla pressione (prova di resistenza alla pressione)	29 bar	Punto 5.3 norma EN 442-1:2004
Potenza termica nominale a $\Delta T = 50$ K	127,2 Watt/elemento	Punto 6 norma EN 442-1:2004
Potenza termica nominale a $\Delta T = 30$ K	64,9 Watt/elemento	Punto 6 norma EN 442-1:2004
Potenza termica in diverse condizioni di funzionamento (curva caratteristica)	$\Phi = K_m \times \Delta T^n$	Punto 6 norma EN 442-1:2004
Coefficiente K_m	0,749	EN 442-1:2004
Coefficiente n	1,315	EN 442-1:2004
Durabilità (prova di aderenza)	Grado 0	UNI EN ISO 2409:2007
Durabilità (prova di corrosione)	144 h	UNI EN ISO 9227:2006

Qualora sia stata usata la documentazione tecnica specifica, ai sensi dell'articolo 37 o 38, i requisiti di cui il prodotto risponde:

.....
.....

10. La prestazione del prodotto di cui ai punti 1 e 2 è conforme alla prestazione dichiarata di cui al punto 9.

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:

ARIANNA SCARAVAGGI

Amministratore Delegato
(nome e funzioni)

Ciserano (BG – Italy) 28/05/2013
(luogo e data del rilascio)

.....
(firma)



Declaration of Performance no. 0019

AS PER ARTS. 4, 6, 7 AND ANNEX III TO REG. (UE) 9-3-2011, No. 305/2011

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1. Univocal product-type identification code: **HELYOS R/1 350**
2. Type, lot, series no. or any other element that enables the construction product to be identified pursuant to article 11, paragraph 4: **HELYOS R/1**
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: **Radiatori 2000 S.p.a. – Via Francesca, 54/A – 60, 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.RAP.14366 of 26/08/14)**
 - **Pressure tightness tests (Test report ENE/MRT.RAP.14366/P of 26/08/14)**
 - **Adherence test and Corrosion test in salt mist. (Test report ENE/MRT.RAP.14366/V of 26/08/14)**
- (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)



Declaration of Performance no. 0019

AS PER ARTS. 4, 6, 7 AND ANNEX III TO REG. (UE) 9-3-2011, No. 305/2011

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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;



Declaration of Performance no. 0019

AS PER ARTS. 4, 6, 7 AND ANNEX III TO REG. (UE) 9-3-2011, No. 305/2011

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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 5.2, 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	16 bar	EN 442-1:2014
Pressure tightness (leak test)	20,8 bar	Clause 5.4, standard EN 442-1:2014
Pressure tightness (resistance test)	27 bar	Clause 5.6, standard EN 442-1:2014
Rated thermal output ΔT 50 K	86,1 Watt/element	Clause 5.8, standard EN 442-1:2014
Rated thermal output ΔT 30 K	44,9 Watt/element	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	0,581	Clause 5.8, standard EN 442-1:2014
Coefficient n	1,277	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 200 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:

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

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:

ARIANNA SCARAVAGGI

Managing Director
(name and functions)

Ciserano (BG – Italy) 21/07/2015
(place and date of issue)

.....
(signature)



Declaration of Performance no. I500

AS PER ARTS. 4, 6, 7 AND ANNEX III TO REG. (UE) 9-3-2011, No. 305/2011

MOD.CL.DDP – Rev. 00

Date 06/05/13

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1. Univocal product-type identification code: **HELYOS R/1 500**
2. Type, lot, series no. or any other element that enables the construction product to be identified pursuant to article 11, paragraph 4: **HELYOS R/1**
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: **Radiatori 2000 S.p.a. – Via Francesca, 54/A – 60, 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.RAP.10181 of 10/06/10)**

- **Pressure tightness tests (Test report ENE/MRT.RAP.10181/P of 10/06/10)**

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

Notified Testing Laboratory: AQM S.r.l. (LAB No. 0095)

(name and identification number of organisation notified, 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:

- **Adherence test and Corrosion test in salt mist. (Test report 2010-3092-8PC of 04/11/10)**

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



Declaration of Performance no. I500

AS PER ARTS. 4, 6, 7 AND ANNEX III TO REG. (UE) 9-3-2011, No. 305/2011

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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;



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AS PER ARTS. 4, 6, 7 AND ANNEX III TO REG. (UE) 9-3-2011, No. 305/2011

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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 5.2, 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	16 bar	EN 442-1:2014
Pressure tightness (leak test)	20,8 bar	Clause 5.4, standard EN 442-1:2014
Pressure tightness (resistance test)	27 bar	Clause 5.6, standard EN 442-1:2014
Rated thermal output ΔT 50 K	112,8 Watt/element	Clause 5.8, standard EN 442-1:2014
Rated thermal output ΔT 30 K	57,9 Watt/element	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	0,687	Clause 5.8, standard EN 442-1:2014
Coefficient n	1,303	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:

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

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:

ARIANNA SCARAVAGGI

Managing Director
(name and functions)

Ciserano (BG – Italy) 21/07/2015
(place and date of issue)

.....
(signature)



Declaration of Performance no. 0019

AS PER ARTS. 4, 6, 7 AND ANNEX III TO REG. (UE) 9-3-2011, No. 305/2011

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Date 06/05/13

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1. Univocal product-type identification code: **HELYOS R/1 350**
2. Type, lot, series no. or any other element that enables the construction product to be identified pursuant to article 11, paragraph 4: **HELYOS R/1**
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: **Radiatori 2000 S.p.a. – Via Francesca, 54/A – 60, 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.RAP.14366 of 26/08/14)**
 - **Pressure tightness tests (Test report ENE/MRT.RAP.14366/P of 26/08/14)**
 - **Adherence test and Corrosion test in salt mist. (Test report ENE/MRT.RAP.14366/V of 26/08/14)**
- (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)



Declaration of Performance no. 0019

AS PER ARTS. 4, 6, 7 AND ANNEX III TO REG. (UE) 9-3-2011, No. 305/2011

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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;



Declaration of Performance no. 0019

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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 5.2, 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	16 bar	EN 442-1:2014
Pressure tightness (leak test)	20,8 bar	Clause 5.4, standard EN 442-1:2014
Pressure tightness (resistance test)	27 bar	Clause 5.6, standard EN 442-1:2014
Rated thermal output ΔT 50 K	86,1 Watt/element	Clause 5.8, standard EN 442-1:2014
Rated thermal output ΔT 30 K	44,9 Watt/element	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	0,581	Clause 5.8, standard EN 442-1:2014
Coefficient n	1,277	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 200 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:

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

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:

ARIANNA SCARAVAGGI

Managing Director
(name and functions)

Ciserano (BG – Italy) 21/07/2015
(place and date of issue)

.....
(signature)



Declaration of Performance no. I500

AS PER ARTS. 4, 6, 7 AND ANNEX III TO REG. (UE) 9-3-2011, No. 305/2011

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1. Univocal product-type identification code: **HELYOS R/1 500**
2. Type, lot, series no. or any other element that enables the construction product to be identified pursuant to article 11, paragraph 4: **HELYOS R/1**
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: **Radiatori 2000 S.p.a. – Via Francesca, 54/A – 60, 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.RAP.10181 of 10/06/10)**

- **Pressure tightness tests (Test report ENE/MRT.RAP.10181/P of 10/06/10)**

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

Notified Testing Laboratory: AQM S.r.l. (LAB No. 0095)

(name and identification number of organisation notified, 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:

- **Adherence test and Corrosion test in salt mist. (Test report 2010-3092-8PC of 04/11/10)**

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



Declaration of Performance no. I500

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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;



Declaration of Performance no. I500

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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 5.2, 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	16 bar	EN 442-1:2014
Pressure tightness (leak test)	20,8 bar	Clause 5.4, standard EN 442-1:2014
Pressure tightness (resistance test)	27 bar	Clause 5.6, standard EN 442-1:2014
Rated thermal output ΔT 50 K	112,8 Watt/element	Clause 5.8, standard EN 442-1:2014
Rated thermal output ΔT 30 K	57,9 Watt/element	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	0,687	Clause 5.8, standard EN 442-1:2014
Coefficient n	1,303	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:

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

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:

ARIANNA SCARAVAGGI

Managing Director
(name and functions)

Ciserano (BG – Italy) 21/07/2015
(place and date of issue)

.....
(signature)