



DECLARATION OF PERFORMANCE No. 001-DOP-2013_v03

1. Unique identification code of the product type:

***NATALINI Aluminium single wall flue pipe
EN 1856-2: 2009***

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

Rigid Aluminium flue liners, connecting flue pipes and fittings

- 0.1 System with elastomeric seal EN 1856-2 T200 – P1 – W – V2 – L99150 – O20 M
- 0.2 System with elastomeric seal EN 1856-2 T200 – P1 – W – Vm – L13150 – O20 M
- 0.3 System with elastomeric seal EN 1856-2 T200 – P1 – W – Vm – L13100 – O20 M

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Products for the construction of single-walled chimney systems to convey the products of combustion from heating appliances to the outside atmosphere

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

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5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

Not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V;

System 2+

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

Notified factory production control certification body No. 0476 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.



8. Declared performance:

Essential Characteristics	Performance	Harmonised technical specification
Manufacturer's declaration for type test		
Type of metals	L13 L99 ₁ = EN AB 46100 L99 ₂ = EN AW 1050	EN 1856-2:2009
Mechanical resistance and stability		
Compressive strength of rigid connecting flue pipes and fittings	Maximum load: equivalent to 25m of flue liner	EN 1856-2:2009
Compressive strength on supports	The maximum displacement of the test chimney at the support is < 5mm	EN 1856-2:2009
Tensile strength	NPD	EN 1856-2:2009
Lateral strength <i>Non-vertical installation</i>	The deflection of any part of the test chimney is < 2mm/m (in distance between supports)	EN 1856-2:2009
Lateral strength <i>Components subject to wind load</i>	NPD: not suitable for external installation	EN 1856-2:2009
Resistance to fire	O20M	EN 1856-2:2009
Gas tightness/leakage:	P1	EN 1856-2:2009
Safety in use		
Thermal performance at normal operating conditions	T200	EN 1856-2:2009
Accidental human contact	Needed protection from touching in the area where the accidental human contact is possible	EN 1856-2:2009
Thermal resistance	0,00 m ² ·K·W ⁻¹ (calculated according to the method given in EN 1859:2009 and in EN 13384-1:2008)	EN 1856-2:2009 EN 1859:2009 EN 13384-1:2008
Water vapour diffusion resistance	Test not needed if requirement of EN 1856-1 §6.6.5 is satisfied.	EN 1856-2:2009 EN 1856-1:2009
Condensate penetration resistance	W class	EN 1856-2:2009
Flow resistance <i>Chimney sections and fittings</i>	Measured according to the method given in EN 1859:2009 (see data sheet available on request)	EN 1856-2:2009 EN 1859:2009
Durability		
Durability against corrosion	Vm class for L13 V2 class for L99 ₁ V2 class for L99 ₂	EN 1856-2:2009
Freeze thaw resistance	Yes	EN 1856-2:2009
Flue liner seals	In accordance with EN 14241-1	EN 1856-2:2009 EN 14241-1:2005

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Gabriele Fraticelli, Technical Director SITspa Montecassiano Plant.

Montecassiano, 11 February 2016

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