



## DECLARATION OF PERFORMANCE No. 002-DOP-2013\_v03

1. Unique identification code of the product type:

***NATALINI Aluminium concentric flue pipes  
EN 1856-1: 2009***

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

***Ø60/100 Concentric chimney systems: aluminium sections and fittings***

- 0.1 System with elastomeric seal EN 1856-1 T200 – P1 – W – Vm – L13150 – O60
- 0.2 System with elastomeric seal EN 1856-1 T200 – P1 – W – V2 – L99150 – O60
- 0.3 System with elastomeric seal EN 1856-1 T200 – P1 – W – Vm – L13090 – O60

***Ø80/125 Concentric chimney systems: aluminium sections and fittings***

- 0.4 System with elastomeric seal EN 1856-1 T200 – P1 – W – Vm – L13150 – O20
- 0.5 System with elastomeric seal EN 1856-1 T200 – P1 – W – Vm – L13120 – O20
- 0.6 System with elastomeric seal EN 1856-1 T200 – P1 – W – Vm – L13100 – O20
- 0.7 System with elastomeric seal EN 1856-1 T200 – P1 – W – V2 – L99150 – O20

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 concentric 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+, System 4***

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
Type of metals	Designation 0.1 DN 60 L13 Designation 0.2 DN 60 L99 = EN AB 46100 Designation 0.3 DN 60 L13 Designation 0.4 DN 80 L13 Designation 0.5 DN 80 L13 Designation 0.6 DN 80 L13 Designation 0.7 DN 80 L99 = EN AB 46100	EN 1856-1:2009
Compressive strength <i>Chimney sections and fittings</i>	Designation 0.1 DN 60: up to 12m of flue liner Designation 0.2 DN 60: up to 12m of flue liner Designation 0.3 DN 60: up to 12m of flue liner Designation 0.4 DN 80: up to 10m of flue liner Designation 0.5 DN 80: up to 10m of flue liner Designation 0.6 DN 80: up to 10m of flue liner Designation 0.7 DN 80: up to 10m of flue liner	EN 1856-1:2009
Compressive strength <i>Chimney supports</i>	Pass	EN 1856-1:2009
Resistance to fire	Designation 0.1 DN 60: T200 – O60 Designation 0.2 DN 60: T200 – O60 Designation 0.3 DN 60: T200 – O60 Designation 0.4 DN 80: T200 – O20 Designation 0.5 DN 80: T200 – O20 Designation 0.6 DN 80: T200 – O20 Designation 0.7 DN 80: T200 – O20  <i>Tested fully enclosed and with ventilated floors</i>	EN 1856-1:2009
Gas tightness/leakage	Designation 0.1 DN 60: P1 Designation 0.2 DN 60: P1 Designation 0.3 DN 60: P1 Designation 0.4 DN 80: P1 Designation 0.5 DN 80: P1 Designation 0.6 DN 80: P1 Designation 0.7 DN 80: P1	EN 1856-1:2009
Flow resistance <i>Chimney sections and fittings</i>	<i>Measured according to the method given in EN 1859:2009 (see data sheet available on request)</i>	EN 1856-1:2009 EN 1859:2009
Thermal resistance	Designation 0.1 DN 60: 0,17m <sup>2</sup> KW <sup>-1</sup> Designation 0.2 DN 60: 0,17m <sup>2</sup> KW <sup>-1</sup> Designation 0.3 DN 60: 0,17m <sup>2</sup> KW <sup>-1</sup> Designation 0.4 DN 80: 0,18m <sup>2</sup> KW <sup>-1</sup> Designation 0.5 DN 80: 0,18m <sup>2</sup> KW <sup>-1</sup> Designation 0.6 DN 80: 0,18m <sup>2</sup> KW <sup>-1</sup> Designation 0.7 DN 80: 0,18m <sup>2</sup> KW <sup>-1</sup>  <i>(calculated according to the method given in EN 1859:2009 and in EN 13384-1:2008)</i>	EN 1856-1:2009 EN 1859:2009 EN 13384-1:2008



<p>Thermal shock resistance <i>Sootfire resistance</i></p> <p><i>Thermal performance under normal operating conditions</i></p>	<p>Designation 0.1 DN 60: No Designation 0.2 DN 60: No Designation 0.3 DN 60: No Designation 0.4 DN 80: No Designation 0.5 DN 80: No Designation 0.6 DN 80: No Designation 0.7 DN 80: No</p> <p>Designation 0.1 DN 60: T200 Designation 0.2 DN 60: T200 Designation 0.3 DN 60: T200 Designation 0.4 DN 80: T200 Designation 0.5 DN 80: T200 Designation 0.6 DN 80: T200 Designation 0.7 DN 80: T200</p>	<p>EN 1856-1:2009</p>
<p>Lateral strength <i>Non-vertical installation</i></p> <p><i>Components subject to wind load</i></p>	<p>Designation 0.1 DN 60: maximum offset between supports 1m at 90° Designation 0.2 DN 60: maximum offset between supports 1m at 90° Designation 0.3 DN 60: maximum offset between supports 1m at 90° Designation 0.4 DN 80: maximum offset between supports 1m at 90° Designation 0.5 DN 80: maximum offset between supports 1m at 90° Designation 0.6 DN 80: maximum offset between supports 1m at 90° Designation 0.7 DN 80: maximum offset between supports 1m at 90°</p> <p>Products not suitable for external installation</p>	<p>EN 1856-1:2009</p>
<p>Tensile strength</p>	<p>NPD</p>	<p>EN 1856-1:2009</p>
<p>Accidental human contact</p>	<p>No needed protection from touching in the area where the accidental human contact is possible</p>	<p>EN 1856-1:2009</p>
<p>Water vapour diffusion resistance</p>	<p>Test not needed if requirement of EN 1856-1 §6.6.5 is satisfied (condensate penetration resistance).</p>	<p>EN 1856-1:2009</p>
<p>Condensate penetration resistance</p>	<p>Designation 0.1 DN 60: W Designation 0.2 DN 60: W Designation 0.3 DN 60: W Designation 0.4 DN 80: W Designation 0.5 DN 80: W Designation 0.6 DN 80: W Designation 0.7 DN 80: W</p>	<p>EN 1856-1:2009</p>
<p>Rainwater penetration resistance</p>	<p>Product not suitable for external installation</p>	<p>EN 1856-1:2009</p>
<p>Durability against corrosion</p>	<p>Designation 0.1 DN 60: Vm Designation 0.2 DN 60: V2 Designation 0.3 DN 60: Vm Designation 0.4 DN 80: Vm Designation 0.5 DN 80: Vm Designation 0.6 DN 80: Vm Designation 0.7 DN 80: V2</p>	<p>EN 1856-1:2009</p>
<p>Freeze thaw resistance</p>	<p>Yes</p>	<p>EN 1856-1:2009</p>
<p>Flue liner seals</p>	<p>In accordance with EN 14241-1</p>	<p>EN 1856-2:2009 EN 14241-1:2005</p>



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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