



DECLARATION OF PERFORMANCE No. 003-DOP-2013_v03

1. Unique identification code of the product type:

**NATALINI Plastic parallel and concentric flue pipes systems
EN 14471:2005**

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

Single wall rigid system chimney with plastic flue liner: PLASTIC PARALLEL FLUE PIPE SYSTEM

0.1 System EN 14471 T120 – P1 – O – W – 2 – O10 – I – D – L1
0.2 System EN 14471 T120 – P1 – O – W – 2 – O10 – E – D – L0

Coaxial rigid system chimney with plastic flue liner: PLASTIC CONCENTRIC FLUE PIPE SYSTEM

0.3 System EN 14471 T120 – P1 – O – W – 2 – O00 – I – D – L1
0.4 System EN 14471 T120 – P1 – O – W – 2 – O00 – I – D – L0

Single wall flexible system chimney with plastic flue liner: PLASTIC PARALLEL FLUE PIPE SYSTEM

0.5 System EN 14471 T120 – P1 – O – W – 2 – O10 – I – D – L1
0.6 System EN 14471 T120 – P1 – O – W – 2 – O10 – E – D – L0

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 and 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 3, 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
Compressive strength (maximum height)	Designation 0.1 (DN60 – DN80) 35m Designation 0.2 (DN60 – DN80) 35m Designation 0.3 (DN60 – DN80) 12m Designation 0.4 (DN60 – DN80) 12m	EN 14471:2005
Resistance to wind load (free standing height above last support)	Designation 0.1 (DN60 – DN80) not suitable for external installation; Designation 0.2 (DN60 – DN80) 1m Designation 0.3 (DN60 – DN80) not suitable for external installation; Designation 0.4 (DN60 – DN80) not suitable for external installation;	EN 14471:2005
Resistance to wind load (maximum length between supports)	Designation 0.2 (DN60 – DN80) 1m	EN 14471:2005
Fire resistance (temperature class, sootfire resistance class, distance to combustibles, outer wall class, way of testing)	Designation 0.1 (DN60 – DN80) T120 O10 L1 (tested in combustible enclosure with not ventilated gap) Designation 0.2 (DN60 – DN80) T120 O10 L0 (tested in non-combustible enclosure with not ventilated gap) Designation 0.3 (DN60 – DN80) T120 O00 L1 (tested in combustible enclosure with ventilated gap) Designation 0.4 (DN60 – DN80) T120 O00 L0 (tested in non-combustible enclosure with ventilated gap) Designation 0.5 (DN60 – DN80) T120 O10 L1 (tested in combustible enclosure with not ventilated gap) Designation 0.6 (DN60 – DN80) T120 O10 L0 (tested in non-combustible enclosure with not ventilated gap)	EN 14471:2005
Gas tightness (pressure class)	P1	EN 14471:2005
Thermal performance (temperature class)	T120	EN 14471:2005
Dimensioning	DN60 DN80	EN 14471:2005
Thermal resistance in m ² k/W	Designation 0.1 (DN60 – DN80) R01 Designation 0.2 (DN60 – DN80) R01 Designation 0.3 (DN60 – DN80) R18 Designation 0.4 (DN60 – DN80) R19 Designation 0.5 (DN60 – DN80) R01 Designation 0.6 (DN60 – DN80) R01 (calculated according to the method given in EN 13384-1:2008)	EN 14471:2005 EN 13384-1:2008
Flow resistance of chimney sections and fittings (ζ = coefficient of flow resistance)	Measured according to the method given in EN 13216-1:2004 (see data sheet available on request)	EN 14471:2005 EN 13216-1:2004



Flow resistance of terminals (ζ_f = coefficient of flow resistance for the flue duct) (ζ_A = coefficient of flow resistance for the air duct)	Designation 0.3 (DN60 – DN80) Terminal-Type III (see data sheet available on request) Designation 0.4 (DN60 – DN80) Terminal-Type III (see data sheet available on request)	EN 14471:2013
Wind direction characteristic of terminals	Designation 0.3 (DN60 – DN80) Terminal-Type III A90 Designation 0.4 (DN60 – DN80) Terminal-Type III A90	EN 14471:2013
Resistance to rainwater ingress of terminals	Designation 0.3 (DN60 – DN80) Terminal-Type III proven Designation 0.4 (DN60 – DN80) Terminal-Type III proven	EN 14471:2013
Resistance to icing of terminals	Designation 0.3 (DN60 – DN80) Terminal-Type III proven Designation 0.4 (DN60 – DN80) Terminal-Type III proven	EN 14471:2013
Flexural tensile strength (real length of the lateral displacement)	1000mm	EN 14471:2005
Flexural tensile strength (maximum inclination)	90°	EN 14471:2005
Durability against chemicals (condensate resistance class)	W	EN 14471:2005
Durability against chemicals (corrosion resistance class)	2	EN 14471:2005
Durability against UV (location class)	Designation 0.1 (DN60 – DN80) I Designation 0.2 (DN60 – DN80) E Designation 0.3 (DN60 – DN80) I Designation 0.4 (DN60 – DN80) I Designation 0.5 (DN60 – DN80) I Designation 0.6 (DN60 – DN80) E	EN 14471:2005
Durability against thermal load	T120	EN 14471:2005
Reaction to fire	D	EN 14471:2005 EN 13501-1:2007
Seals and sealants	In accordance with EN 14241-1	EN 14471:2005
Freeze thaw resistance	-	EN 14471:2005
Dangerous substances	Declared substances	EN 14471:2005

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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