

DECLARATION OF PERFORMANCE
N°DoP001_14471

EN

1. Unique identification code of the product-type:
System chimney with plastic flue liners
EN14471: 2013+A1:2015
2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11 (4) :

FLUEDENS MONO	
Designation A	T120 - H1 - W - 2 - O20 - LI - E - U
Designation B	T120 - P1 - W - 2 - O20 - LI - E - U
Designation C	T120 - H1 - W - 2 - O20 - LE - E - U
FLUEDENS DUAL	
Designation D	T120 - H1 - W - 2 - O00 - LI - E - U0
ECODENS	
Designation E	T120 - H1 - W - 2 - O00 - LI - E - U1

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

Convey products of combustion to the outside atmosphere, convey air for combustion where required

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 5:

System 2+ ; System 4

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

Notified factory production control certification body n°2592 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

Essentials Characteristics	Performance				Harmonized technical Specification
Compressive strength (maximum height in m)	$\varnothing \leq 100\text{mm}$	$\leq 30\text{ m}$			EN14471:2013+A1:2015
	$110 \leq \varnothing \leq 160$	$\leq 15\text{ m}$			
	$200 \leq \varnothing \leq 300$	$\leq 10\text{ m}$			
Resistance to wind load (free standing height above last support)	$\varnothing 60/100$	0,8 m			
	$\varnothing 80/125$	0,7 m			
	$\varnothing 100/150$	0,7 m			
Resistance to wind load (maximum length between supports)	n.a.				
Fire resistance (temperature class, sootfire resistance class, distance to combustibles, outer wall class, way of testing)	A - B - C	T120	O20	U	
	D	T120	O00	U0	
	E	T120	O00	U1	
Gas tightness (pressure class)	A - C - D - E	H1 (5000Pa)			
	B	P1 (200Pa)			
Thermal performance (temperature class)	T120				
Dimensioning	A - C	$\varnothing 50 - \varnothing 60 - \varnothing 80 - \varnothing 100 - \varnothing 110 - \varnothing 125 - \varnothing 160$			
	B	$\varnothing 200 - \varnothing 250 - \varnothing 300$			
	D - E	$\varnothing 60/100 - \varnothing 80/125 - \varnothing 100/150$			
Thermal resistance in $\text{m}^2 \text{K/W}$	R00				
Flow resistance of chimney sections (r = mean value of roughness of the inner wall in m)	$r = 0,001\text{ m}$ mean roughness taken from prospect B.4 of the standard EN13384-1:2008				
Flow resistance of chimney fittings (ζ = coefficient of flow resistance)	According to EN 13384-1:2008 prospect B.8				
Flexural tensile strength (Real length of the lateral displacement)	$\leq 1,3\text{ m}$				
Flexural tensile strength (Maximum inclination)	Rigid system	87°			
	Flexible system	Vertical installation			
Durability against chemicals (condensate resistance class)	W (wet)				
Durability against chemicals (corrosion resistance class)	2				
Durability against UV (location class)	A - B - D - E	LI			
	C	LE			
Durability against thermal load	T120				
Reaction to fire	E				
Freeze thaw resistance	n.a.				
Dangerous substances	Declared substances				Relevant national regulations

<i>Other characteristics</i>	<i>Performance</i>	<i>Technical Specification</i>
<i>Wind direction characteristics of terminal</i>	Type III A90	EN14471:2013+A1:2015
<i>Resistance to rainwater ingress of terminal</i>	Proven	
<i>Resistance to icing of terminals</i>	Proven	

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.

Gagnano Trebbiense 29010 - (PC) - Italy

Groppalli Luciano

Chairman

Groppalli S.r.l.

