

DECLARATION OF PERFORMANCE

N°001DoP20939

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) :

CHIMEPLAST		
Designation A	T120 - H1 - W - 2 - O20 - LI - E - U	(single wall from Ø50 to Ø160 - white PP)
Designation B	T120 - P1 - W - 2 - O20 - LI - E - U	(single wall from Ø200 to Ø300 - white PP)
Designation C	T120 - H1 - W - 2 - O20 - LE - E - U	(single wall Ø60 and Ø80 - black PP)
CHIMEPLAST		
Designation D	T120 - H1 - W - 2 - O00 - LI - E - U0	(Double wall Ø60/100 - Ø80/125 - Ø100/150)
CHIMEPLAST		
Designation E	T120 - H1 - W - 2 - O00 - LI - E - U1	(Double wall Ø60/100 - Ø80/125)
CHIMEPLAST		
Designation F	T120 - H1 - W - 2 - O10 - LE - E - U0	(Double insulated wall with still air Ø80/100)

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

Part 1: Product - Fittings of system chimneys

Essentials Characteristics	Performance	Harmonized technical Specification
Compressive strength (Maximum vertical height)	System chimney single wall (A - B - C) $\varnothing \leq 100\text{mm}$ $\leq 30\text{ m}$ $110 \leq \varnothing \leq 160$ $\leq 15\text{ m}$ $200 \leq \varnothing \leq 300$ $\leq 10\text{ m}$ System chimney double wall (D - E - F) Not applicable. Each fitting fixed to the wall	EN14471:2013+A1:2015
Resistance to wind load (Free standing height above last support - vertical terminal)	$\varnothing 60/100$ 0,8m $\varnothing 80/125$ 0,7m $\varnothing 100/150$ 0,7m	
Resistance to wind load (Maximum length between supports)	C - F 1,0m	
Fire resistance (Temperature class, sootfire resistance class, distance to combustibles in mm, outer wall class)	A - B - C T120 O 20 U D T120 O 00 U0 E T120 O 00 U1 F T120 O 10 U0	
Gas tightness (Pressure class)	A - C - D - E - F H1 (5000Pa) B P1 (200Pa)	
Thermal performance (Temperature class)	T120	
Dimensioning (External nominal diameter of flue duct)	A $\varnothing 50 - \varnothing 60 - \varnothing 80 - \varnothing 100 - \varnothing 110 - \varnothing 125 - \varnothing 160$ B $\varnothing 200 - \varnothing 250 - \varnothing 300$ C $\varnothing 60 - \varnothing 80$ D $\varnothing 60/100 - \varnothing 80/125 - \varnothing 100/150$ E $\varnothing 60/100 - \varnothing 80/125$ F $\varnothing 80/100$	
Thermal resistance in $\text{m}^2 \text{K/W}$	R00	
Flow resistance of chimney sections (r = mean value of roughness of the inner wall)	$r = 0,001\text{ m}$ According to EN 13384-1:2015+A1:2019 prospect B.4	
Flow resistance of chimney fittings (ζ = coefficient of flow resistance)	According to EN 13384-1:2015+A1:2019 prospect B.8	
Flexural tensile strength (Maximum inclination)	Rigid system chimney 87° Flexible system chimney ONLY vertical installation	
Flexural tensile strength (Real lenght of the lateral displacement)	1,0 m	
Durability against chemicals (Condensate resistance class)	W (wet)	
Durability against chemicals (Corrosion resistance class)	2	

Essentials Characteristics		Performance		Harmonized technical Specification	
Durability against UV (Location class)		A - B - D - E	LI	EN14471:2013+ A1:2015	
		C - F	LE		
Durability against thermal load		T120			
Reaction to fire		E			
Freeze thaw resistance		n.a.			
Dangerous substances		Declared substances		Relevant national regulations	

Part 2: Product - Terminal fittings of chimney system to convey combustion products in the atmosphere

<i>Essentials Characteristics</i>	<i>Performance</i>	<i>Harmonized technical Specification</i>
Wind direction characteristics of vertical terminal	Type III, A45, A90	EN14471:2013+ A1:2015
Resistance to rainwater ingress of vertical terminal	Proven	
Resistance to icing of vertical terminals	Proven	
Flow resistance of vertical terminal	See instruction manual	

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.

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