

Declaration of Performance

No. 0036DoP9169003-2013-07-16

1. Unique identification code of the product-type

**System chimneys with plastic flue liners
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)

Designation 0.1 T120 H1 O W 2 O20 I D L

single wall system chimney flue material: PP enclosure: none

Designation 0.2 T120 H1 O W 2 O00 I D L1

concentric system chimney flue material: PP enclosure: plastic

Designation 0.3 T120 H1 O W 2 O00 E D L0

concentric system chimney flue material: PP enclosure: steel, aluminum

Designation 0.4 T120 H1 O W 2 O00 E D L0

concentric system chimney flue material: PP enclosure: stainless steel

Designation 0.5 T120 H1 O W 2 O00 I D L0

concentric system chimney flue material: PP flexible enclosure: mineral, metallic

3. Intended use or uses of the construction product, in accordance with the applicable harmonised 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):

Centrotec Sustainable AG

Am Patbergschen Dorn 9

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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

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

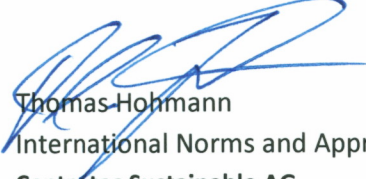
Notified factory production control certification body No. 0036 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control

8.	Declared performance		
	Essential Characteristics	Performance	Harmonized technical Specification
	Compressive strength (maximum height)	0.1 (DN60 – DN400) 50 m 0.2 (DN60/100 – DN125/186) 50 m 0.3 (DN60/100 – DN200/300) 50 m 0.4 (DN60/100 – DN400/500) 50 m 0.5 (DN50 – DN160) 30 m	EN 14471:2005
	Resistance to wind load (free standing height above last support)	0.1 n.p.d. 0.2 n.p.d. 0.3 (DN60/100 – DN200/300) 1,5 m 0.4 (DN60/100 – DN400/500) 1,5 m 0.5 n.p.d.	EN 14471:2005
	Resistance to wind load (maximum length between supports)	0.1 n.p.d. 0.2 n.p.d. 0.3 (DN60/100 – DN200/300) 2 m 0.4 (DN60/100 – DN400/500) 2 m 0.5 n.p.d.	EN 14471:2005
	Fire resistance (temperature class, sootfire resistance class, distance to combustibles, outer wall class, way of testing)	0.1 (DN60 – DN400) T120 O20 L (tested without enclosure, fully ventilated) 0.2 (DN60/100 – DN125/186) T120 O00 L1 (tested in combustible enclosure with ventilated gap) 0.3 (DN60/100 – DN200/300) T120 O00 L0 (tested in non-combustible outer liner with ventilated gap) 0.4 (DN60/100 – DN400/500) T120 O00 L0 (tested in non-combustible outer liner with ventilated gap) 0.5 (DN50 – DN160) T120 O00 L0 (tested in non-combustible outer liner with ventilated gap) (tested in outer liner with $D_i < 2 * D_a$)	EN 14471:2005
	Gas tightness (pressure class)	H1	EN 14471:2005
	Thermal performance (temperature class)	T120	EN 14471:2005
	Dimensioning	0.1 DN60, DN75, DN80, DN90, DN100, DN110, DN125, DN160, DN200, DN250, DN315, DN400 0.2 DN60/100, DN75/125, DN80/125, DN100/150, DN110/160, DN125/186 0.3 DN60/100, DN75/125, DN80/125, DN100/150, DN110/160, DN125/185, DN160/225, DN160/250, DN200/300 0.4 DN60/100, DN75/125, DN80/125, DN100/150, DN110/160, DN125/185, DN160/225, DN200/300, DN250/350, DN315/400, DN400/500 0.5 DN50 (58/50), DN80 (83/75), DN110 (110/100), DN125 (140/127), DN160 (173/155)	EN 14471:2005
	Thermal resistance in m^2K/W	R00	EN 14471:2005

Flow resistance of chimney sections (r = mean value of roughness of the inner wall)	0.1 (DN60 – DN400)	0,5 mm	EN 14471:2005
	0.2 (DN60/100 – DN125/186)	0,5 mm	
	0.3 (DN60/100 – DN200/300)	0,5 mm	
	0.4 (DN60/100 – DN400/500)	0,5 mm	
	0.5 (DN50)	0,5 mm	
	0.5 (DN80)	1,0 mm	
	0.5 (DN110)	1,3 mm	
	0.5 (DN125)	5 mm	
0.5 (DN160)	5 mm		
Flow resistance of chimney fittings (ζ = coefficient of flow resistance)	According to EN 13384-1		EN 14471:2005
Flexural tensile strength (real length of the lateral displacement)	1,5 m		EN 14471:2005
Flexural tensile strength (maximum inclination)	0.1 (DN60 – DN400)	87°	EN 14471:2005
	0.2 (DN60/100 – DN125/186)	87°	
	0.3 (DN60/100 – DN200/300)	87°	
	0.4 (DN60/100 – DN400/500)	87°	
	0.5 (DN50 – DN160)	45°	
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)	0.1 (DN60 – DN400)	I	EN 14471:2005
	0.2 (DN60/100 – DN125/186)	I	
	0.3 (DN60/100 – DN200/300)	E	
	0.4 (DN60/100 – DN400/500)	E	
	0.5 (DN50 – DN160)	I	
Durability against thermal load	T120		EN 14471:2005
Reaction to fire	D		EN 13501-1
9.	<p>The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.</p> <p>This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.</p>		

On behalf of the manufacturer

Brilon, July 16 – 2013



Thomas Hohmann
International Norms and Approval Officer,
Centrotec Sustainable AG



(Annex)

Centrotec Sustainable AG Members Contact information

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