

# DECLARATION OF PERFORMANCE

N° 067A DOP 2019-12-12 3WTDX

1. Unique identification code of the product-type:

**Metal Flexible Flue Liners  
EN 1856-2:2009**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of Regulation (EU) N° 305/2011:

**3W TDX Metal Flexible Flue Liner**

Designation 1	<b>T200 P1 W V2 L50010 O</b>	per diametri DN 50 ÷ 150 mm
	<b>T200 P1 W V2 L50011 O</b>	per diametri DN 50 ÷ 150 mm
	<b>T200 P1 W V2 L50012 O</b>	per diametri DN 50 ÷ 150 mm
Designation 2	<b>T600 N1 W V2 L50010 G</b>	per diametri DN 50 ÷ 150 mm
	<b>T600 N1 W V2 L50011 G</b>	per diametri DN 50 ÷ 150 mm
	<b>T600 N1 W V2 L50012 G</b>	per diametri DN 50 ÷ 150 mm

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

**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) of Regulation (EU) N° 305/2011:

**ROCCEGGIANI Spa**  
Via 1° Maggio, 10  
60021 CAMERANO (AN) - Italy  
Tel: +39 (0)71 7300023  
Fax: +39 (0)71 7304005  
Email: [info@rocceggiani.it](mailto:info@rocceggiani.it)

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2) of Regulation (EU) N° 305/2011:

**Not applicable**

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V of Regulation (EU) N° 305/2011:

**System 2+**

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

**The notified factory production control certification body Istituto Giordno S.p.A. (N° 0407) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and approval of factory production control and issued the following certificates of conformity of the factory production control:**

- Certificate **0407-CPR-1578 (IG-192-2019)** for [Designation 1](#) and [Designation 2](#)

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

**Not applicable**

9. Declared performance:

Essential characteristics	Performance	Harmonized technical specification
Compressive strength of tee element and support	Designation 1 and Designation 2 (Diameters DN 50 ÷ 150 mm): Diameter <b>DN 60</b> mm : up to <b>140</b> m Diameter <b>DN 80</b> mm : up to <b>138</b> m Diameter <b>DN 100</b> mm : up to <b>129</b> m Diameter <b>DN 110</b> mm : up to <b>122</b> m Diameter <b>DN 120</b> mm : up to <b>119</b> m Diameter <b>DN 125</b> mm : up to <b>114</b> m Diameter <b>DN 130</b> mm : up to <b>105</b> m Diameter <b>DN 140</b> mm : up to <b>98</b> m Diameter <b>DN 150</b> mm : up to <b>92</b> m	EN 1856-2:2009
Tensile strength	Designation 1 and Designation 2 (Diameters DN 50 ÷ 150 mm): Diameter <b>DN 50</b> mm : up to <b>10</b> m Diameter <b>DN 60</b> mm : up to <b>10</b> m Diameter <b>DN 80</b> mm : up to <b>10</b> m Diameter <b>DN 100</b> mm : up to <b>10</b> m Diameter <b>DN 110</b> mm : up to <b>10</b> m Diameter <b>DN 120</b> mm : up to <b>10</b> m Diameter <b>DN 125</b> mm : up to <b>10</b> m Diameter <b>DN 130</b> mm : up to <b>10</b> m Diameter <b>DN 140</b> mm : up to <b>10</b> m Diameter <b>DN 150</b> mm : up to <b>10</b> m	
Crushing resistance	Designation 1 and Designation 2 (Diameters DN 50 ÷ 150 mm): <b>Passed</b>	
Flexibility	Designation 1 and Designation 2 (Diameters DN 50 ÷ 150 mm): Maximum angle for installation <b>45°</b>	
Torsion strength	Designation 1 and Designation 2 (Diameters DN 50 ÷ 150 mm): <b>Passed</b>	
Pulling force	Designation 1 and Designation 2 (Diameters DN 50 ÷ 150 mm): <b>Passed</b>	
Resistance to fire	Designation 1 (Diameters DN 50 ÷ 150 mm): <b>T200 - O</b> Designation 2 (Diameters DN 50 ÷ 150 mm): <b>T600 - G</b>	
Gas tightness/leakage	Designation 1 (Diameters DN 50 ÷ 150 mm): <b>P1</b> Designation 2 (Diameters DN 50 ÷ 150 mm): <b>N1</b>	
Flow resistance of chimney sections and fittings	According to <b>EN 13384-1</b>	
Thermal shock resistance:		
- sootfire resistance	Designation 1 (Diameters DN 50 ÷ 150 mm): <b>No</b> (because designated O) Designation 2 (Diameters DN 50 ÷ 150 mm): <b>Si</b>	
- thermal performance under normal operating conditions	Designation 1 (Diameters DN 50 ÷ 150 mm): <b>T200</b> Designation 2 (Diameters DN 50 ÷ 150 mm): <b>T600</b>	
Durability:		
- water vapour diffusion resistance	Designation 1-2 (Diameters DN 50 ÷ 150 mm): <b>Yes</b>	
- condensate penetration resistance	Designation 1-2 (Diameters DN 50 ÷ 150 mm): <b>Yes</b>	
- against corrosion	Designation 1-2 (Diameters DN 50 ÷ 150 mm): <b>V2</b>	
- freeze thaw resistance	Designation 1-2: <b>Yes</b>	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. 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:

Roccheggiani Marco, General Manager

Camerano, 12-12-2019

