

Single wall metal system chimney EWPEL

This system can be used for pellet stoves. The system is composed of a pipe of stainless steel 316L of 0.4mm thick.

Identification	EN1856-1 – T200 – P1 – W – V2 – L50040 – O(30) EN1856-1 – T600 – N1 – W – V2 – L50040 – G(50)
Intended use	Removal of flue gases from pellet stoves to the outside atmosphere
Manufacturer	<p>PRONOX</p> <p>Venecoweg 22 IZ De Prijkels B-9810 Nazareth T +32 9 381 09 40 F + 32 9 380 40 22</p>

System of assessment and verification of performance: system 2+.

The official certification body with identification n°0036 TÜV SÜD Industrie Service GmbH performed the initial inspection of the manufacturing plant and of factory production control and is responsible for the continuous surveillance, assessment and evaluation of factory production control.

PROPERTIES OF MATERIALS		
Diameter (mm) pipe	80	100
Thickness (mm) pipe	0,4	0,4
Material pipe	1.4404 – AISI 316L	
Min. weight 1000 mm (kg)	0,8	1,1

ESSENTIAL CHARACTERISTICS	PERFORMANCE	§ EN1856-1
Compressive strength	maximum height of 100m from the upper Tee piece	6.2.1.1
Non vertical installation	each component has to be supported separately	6.2.3.1
Wind load	maximum 2 free standing pipes	6.2.3.2
Temperature classification	T600 (tested till 700°C) for N1 T200 (tested till 250°C) for P1	6.6.1
Sootfire resistance	Yes for N1	6.4
Distance from flammable materials	50mm for T600 30mm for T200	6.6.1
Gas tightness	P1: better than 0,006l/(s m ²) at 200Pa N1: better than 2,0l/(s m ²) at 40Pa	6.5
Water vapour diffusion and condensate penetration resistance	yes	6.6.4 6.6.5
Flow resistance (pipes)	average roughness of 1mm	6.6.7.1
Flow resistance (accessories)	87° Tee: 1,20 45° Tee: 0,35 3° elbow: 0,05 15° elbow: 0,15 30° elbow: 0,20 45° elbow: 0,40 Rain cap term.: 0,80	6.6.7.2 6.6.7.3
Corrosion resistance	category V2	6.7.1
Freeze-thaw resistance	yes	6.7.3

The performance of the product 'Single wall metal system chimney EWPEL' is in conformity with the performance stated above.

This declaration of performance is issued under the sole responsibility of the manufacturer Pronox NV.

Signed for and on behalf of the manufacturer by:

Nazareth, 1 April 2020

Anne Santens, CEO