

	
Steinzeug-Keramo N.V. Paalsteenstraat 36 B-3500 Hasselt Belgium Telephone: +32 11 265 279  13  103	
EN 295-1:2013 EN 295-4:2013  KERA.Base Vitrified clay pipe system DN150 – FN34 – F  Buried drain and sewer systems for the conveyance of wastewater (including domestic wastewater, surface water and rainwater) under gravity and periodic hydraulic surcharge or under continuous low head of pressure.	
<b>Essential characteristics</b>	<b>Performance</b>
<b>Reaction to fire</b>	Class A1
<b>Crushing strength (<math>F_N</math>)</b>	34 kN/m
<b>Durability of crushing strength and longitudinal bending strength, against:</b>	
Chemical resistance	≤ 0,15% loss of mass

<b>Declaration of Performance nr 103</b>	
1. Unique identification	KERA.Base Vitrified clay pipe system DN150 – FN34 – F
2. Intended use	Buried drain and sewer systems for the conveyance of wastewater (including domestic wastewater, surface water and rainwater) under gravity and periodic hydraulic surcharge or under continuous low head of pressure.
3. Name and contact address of the manufacturer	Steinzeug-Keramo N.V. Paalsteenstraat 36 B-3500 Hasselt Belgium Telephone: +32 11 265 279
4. System of assessment and verification of the construction product	System 4
5. Harmonised standard	EN 295-1:2013 EN 295-4:2013

6. Declared performance:			
Essential characteristics	Performance	Harmonised standard	
Reaction to fire	Class A1	EN 295-1:2013 EN 295-4:2013	
Crushing strength (F <sub>N</sub> ) <sup>a)</sup>	34 kN/m		
Bending moment resistance (BMR) <sup>b)</sup>	4,0 kNm		
Dimensional tolerances, concerning:			
Internal diameter <sup>e)</sup>	Pass		
Length <sup>f)</sup>	Pass		
Squareness of ends <sup>f)</sup>	Pass		
Straightness <sup>a)</sup>	Pass		
Angle of curvature and radius <sup>c)</sup>	Pass		
Branch angle <sup>d)</sup>	Pass		
Continuity of invert <sup>e)</sup>	Pass		
Joint inter-changeability	Pass		
Tightness (gas and liquid) and Permeability as:			
Watertightness	Pass		
Airtightness	Pass		
Watertightness of joint assemblies, as:			
Angular deflection	Pass		
Shear resistance	Pass		
Durability of crushing strength and longitudinal bending strength against:			
Chemical resistance	≤ 0,15% loss of mass		
Resistance against high pressure water jetting <ul style="list-style-type: none"><li>Moving nozzle 12 MPa</li><li>Stationary nozzle 28 MPa</li></ul>	Pass		
Durability of watertightness, against:			
Chemical and physical resistance to effluent	Pass		
Thermal cycling stability	Pass		
Long term thermal stability	Pass		
a) Only for pipes and connectors GA/GZ b) Only for pipes c) Only for bends d) Only for junctions & repair junctions e) Only for pipes, bends, junctions, repair junctions, connectors & adaptors f) Only for pipes, junctions, repair junctions, connectors & adaptors			
The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.			

Signed on behalf of the manufacturer

Name: Mr. R. van Veldhoven

Place and date: Frechen, 31.12.2024

Signature:

