

**CETCO®**

DECLARATION OF PERFORMANCE

No. 01/25/VOLTEX 5.1

1. Unique identification code of the product type:

VOLTEX 5.1



2. Intended use:

as a fluid barrier for use in: construction of tunnels and underground structures

3. Manufacturer:

CETCO Poland, Cetco Sp z o.o. S.K.A

Korpele 13A-Strefa; 12-100 Szcztyno, Polska

Phone: +48 89 624 7300; Fax: +48 89 624 7301; e-mail: biuro@mineralstech.com

4. Authorised representative: **N/A**

5. System of AVCP: **System 2+**

- 6a. Harmonised standard: **EN 13491:2004 with the amendments: EN 13491:2004/A1:2006**

Notified body: **Instytut Techniki Budowlanej – identification no. 1488;**

7. Declared performances:

ESSENTIAL CHARACTERISTICS	PERFORMANCE		TEST STANDARD	HARMONISED TECHNICAL SPECIFICATIONS
	MEAN VALUE	TOLERANCE		
Tensile strength MD	10,0 kN/m	-2,0 kN/m	EN ISO 10319	EN 13491:2004 with the amendments EN 13491:2004/A1:2006
Tensile strength CMD	10,0 kN/m	-2,0 kN/m	EN ISO 10319	
Static puncture resistance	1,8 kN	- 0,3 kN	EN ISO 12236	
Index Flux without PE liner	$5,0 \times 10^{-09} \text{ (m}^3/\text{m}^2\text{)/s}$	$+0,5 \times 10^{-09} \text{ (m}^3/\text{m}^2\text{)/s}$	ASTM 5887	
Durability (Annex B)	Predicted to be durable for a minimum of 25 years in natural soils with $4 < \text{pH} < 9$ and soil temperature $< 25^\circ\text{C}$			

8. Appropriate Technical Documentation and/or Specific Technical Documentation: **N/A**

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Łukasz Mikoda

at Wrocław on 16.01.2025 r.

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