

# Declaration of Performance

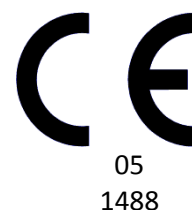
DoP No.: WLWAHS450TACLCH

**1. Product Name:**

**VOLTEX DS**

**2. Product Type:**

**VOLTEX**



**3. Intended use:**

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

**4. Name, registered trade name:**

CETCO Poland, Cetco Sp z o.o. S.K.A  
Korpele 13A-Strefa; 12-100 Szczytno, Poland  
Tel.: +48 89 624 7300; Fax.: +48 89 624 7301; e-mail: biuro@cetco.pl

**5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):**

CETCO Poland, Cetco Sp z o.o. S.K.A  
Korpele 13A-Strefa; 12-100 Szczytno, Poland  
Tel.: +48 89 624 7300; Fax.: +48 89 624 7301; e-mail: biuro@cetco.pl

**6. AVCP:**

System 2+

**7. Notified body:**

Notified body ITB identification no. 1488 performed the initial inspection of the manufacturing plant and of factory production control (FPC) and the continuous surveillance, assessment and evaluation of FPC and issued the certificate of conformity of the FPC no. 0030. In case of the declaration of performance (DoP) concerning a construction product covered by the harmonized standards:

PN-EN 13491:2004  
Including annexes

**8. Declared performance:**

Essential characteristics	Performance		Test standard	Harmonised technical specifications
	Mean value	Tolerance		
<b>Tensile strength MD</b>	10.0 kN/m	- 1.0 kN/m	EN ISO 10319	PN-EN 13491:2004 Including annexes
<b>Tensile strength CMD</b>	10.0 kN/m	- 1.0 kN/m	EN ISO 10319	
<b>Static puncture resistance</b>	1.8 kN	- 0.2 kN	EN ISO 12236	
<b>Water permeability</b>	n/a	n/a	ASTM D 5887	
<b>Durability (Annex B)</b>	To be covered within one day after installation. Predicted to be durable for a minimum of 25 years in natural soils with 4<pH<9 and soil temperature <25°C			

**9. Declaration:**

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. 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:

CETCO - Poland  
LABORATORY MANAGER  
*Piotr Wojewoda*

.....01.07.2013.....  
(place and date of issue)

.....  
(signature)