

1. Unique identification code of the product-type:

ULTRASEAL XL



2. Intended use: **As a fluid barrier for use in: tunnels and basement waterproofing**

3. Manufacturer:

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

Korpele 13A – Strefa; 12-100 Szczytno, 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 13967:2012; EN 13491:2004 with the amendments: EN 13491:2004/A1:2006**

Notified body: **Instytut Techniki Budowlanej – identification no. 1488; CPR-0315/Z/1**

7. Declared performance:

ESSENTIAL CHARACTERISTICS	PERFORMANCE	TEST STANDARD	HARMONIZED STANDARD
Watertightness	Pass at 60 kPa	EN 1928	EN 13967:2012 Including annexes
Resistance to static loading	Pass at 20 kg	EN 12730	
Tensile strength MD/CMD	≥1500/1100 [N/50mm]	EN 12311-2	
Durability - against ageing - against chemicals	Pass Pass	EN 1296:2000-12 EN 1847:2009-12	
Resistance to impact loading	400 [mm] (method A) 1750 [mm] (method B)	EN 12691	
Resistance to tear (Nail Shaft) - - MD - CMD	1200 (-10%)[N] 700 (-10%)[N]	EN 12310-1	
Reaction to fire	Class E	EN 13501-1	
Thickness	≥ 2.0 [mm]	EN 1849-2	
Dangerous substances	Not contains	As relevant	
Visible defects	No visible defects	EN 1850-2	
Tensile strength MD	8.0 (-1.0) [N/mm²]	EN ISO 527	EN 13491:2004 EN 13491:2004/A1:2006 Including annexes
Tensile strength CMD	8.0 (-1.0) [N/mm²]	EN ISO 527	
Static puncture resistance	3.0 (-0.3) [kN]	EN ISO 12236	
Water permeability	No observed	ASTM D 5887	
Durability (Annex B)	Predicted to be durable for a minimum of 25 years in natural soils with 4<pH<9 and soil temperature <25°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 10.02.2022 r.

