

Declaration of Performance (DoP)

DoP No. 303100713



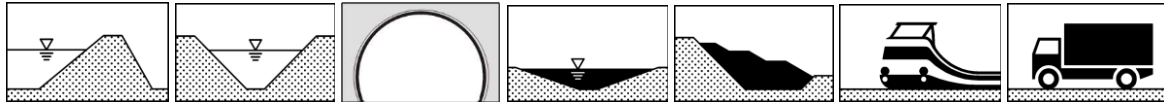
1. Product Name **MODULO GEOBENT XP 3/310**

2. Product Code **AAAAXP30310**

3. Intended use **FLUID BARRIER**



Geosynthetic Clay Barrier for use in the construction of reservoirs and dams, canals, tunnels and underground structures, solid and liquid waste storage and disposal, transportation infrastructure.



4. Registered name of manufacturer

LAVIOSA CHIMICA MINERARIA SpA

Via Leonardo da Vinci, 21 - 57123 Livorno – Italy - www.laviosa.com

5. Authorised representative

LAVIOSA CHIMICA MINERARIA SpA

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6. AVCP **System 2+**

7. Notified body **1213**

Harmonized standard:

Appendix ZA of EN 13361/2006; 13362/2005; 13491/2006; 13492/2006; 13493/2005; 15382/2008

Notified body SKZ – TeConA GmbH (identification no. 1213) 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. 4553.

8. Declared performances

Essential characteristics	Performance		Test Method	Harmonised Standard
	Mean value	Tolerance		
Tensile strength, α_f (MD)	10 kN/m	1 kN/m	EN ISO 10319	EN 13361/2006; EN 13362/2005; EN 13491/2006; EN 13492/2006; EN 13493/2005; EN 15382/2008
Tensile strength, α_f (CMD)	10 kN/m	1 kN/m	EN ISO 10319	
Index flux, q_i	8,00E-09(m ³ /m ²)/s	5E-10(m ³ /m ²)/s	ASTM D 5887	
Static puncture resistance, F_p	1800 N	60 N	EN ISO 12236	
Oxidation resistance	To be covered on the day of installation. Durable in natural soil with 4<pH<9 and soil temperature <25°C for a minimum of 25 years service life		EN ISO 13438	

9. Declaration

THE PERFORMANCES OF THE PRODUCT IDENTIFIED IN POINTS 1 and 2 IS IN CONFORMITY WITH THE DECLARED PERFORMANCES 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:

Eleonora Sarno
Quality Control Manager

Livorno, 01/07/13