

Declaration of Performance

COLETANCHE ES1

1. Identification code	COLETANCHE ES1
2. Intended use	Geosynthetic barriers use in the construction of reservoirs and dams Geosynthetic barriers use in the construction of canals Geosynthetic barriers use as a fluid barrier in the construction of tunnels and underground structures Geosynthetic barriers use as a fluid barrier in the construction of liquid waste disposal sites or transfer sites Geosynthetic barriers use in the construction of solid waste storage and disposal sites Geosynthetic barriers use in transportation infrastructure
3. Manufacturer	AXTER SAS 8, avenue Félix d'Hérelle, 75016 PARIS, France www.axter.co.uk/downloads
4. Authorised representative	NA
5. System of assessment and verification of constancy of performance of the product	System 2+

6a. Product covered by the harmonised standard:	EN 13361, EN 13362, EN 13491, EN 13492, EN 13493, EN 15382 The ASQUAL, notify body n° 0334 has performed under system 2+ the initial inspection of factory production control the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control n° 0334 - CPR - 0011.
6b. European Technical Assessment:	NA
7. Declared performance	

Essential characteristics		Performance				Harmonised technical specification	
		Value	Tolerance		Units		
			Min	Max			
Tensile properties : maximum tensile force	Longitudinal	800	550		N/50 mm	EN 13361:2005/A1:2006 EN 13362:2006 EN 13491:2005/A1:2006 EN 13492:2005/A1:2006 EN 13493:2006 EN 15382:2013	
	Cross direction	600	400				
Tensile properties : elongation	Longitudinal	45	30		%		
	Cross direction	45	30				
Static puncture test (CBR test)	Resistance	2.7	2.4		kN		
	Move	50	40		mm		
Permeability to liquids		<-1.10 ⁻⁷			m ³ /m ² /j		
Resistance to oxidation	Residual value of tensile strength	Maximum tensile force	100	75			%
		Elongation	100	75			
Resistance to weathering		Maximum tensile force	100	75			%
		Elongation	100	75			
Dangerous substances		Note 1 and 2			-		
Gas Permeability		< 2.10 ⁻⁴			m ³ /m ² /j/atm	EN 13492:2005/A1:2006 EN 13493:2006	

NA: not applicable due to use of product.

Note 1 : This product does not contain asbestos or tar constituents

Note 2 : In the absence of European harmonized test methods, verification and declaration on release/content has to be done taking into account national provisions in the place of use.

The performances of the product identified above are in conformity with the declared performances.

In accordance with Regulation (UE)n°305/2011 , this declaration of performance is issued under the sole responsibility of the manufacturer identified above

Signed for and on behalf of the manufacturer by:
Peter Fleischmann (Chairman)



Paris
24/05/2018