

DECLARATION OF PERFORMANCE

N°: COLETANCHE ES4 HFA NH 002 EN

- 1. Identification code** COLETANCHE ES4 HFA
- 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
 Rue Joseph Coste
 59552 Courchelettes
 France
 www.axter.eu/dop
- 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 the 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 direction	1600	1150		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	1400	1000				
Tensile properties: Maximum elongation	Longitudinal direction	45	30				
	Cross direction	45	30				
Static puncture test (CBR test)	Force	4	3,5			kN	
	Displacement	50	40			mm	
Permeability to liquids		< 1.10 ⁻⁶			m ³ /m ² /d		
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 .d.atm)	EN 13492:2005/A1:2006 EN 13493:2006	

NA: not applicable due to the intended use of the product.

Note 1: This product does not contain asbestos or tar components.

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 (Managing Director)

Paris, 15/06/2021


