

Declaration of Performance

COLETANCHE ES4

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| 1. Identification code | COLETANCHE ES4 |
| 2. Intended use | <p>Geosynthetic barriers used in the construction of reservoirs and dams.</p> <p>Geosynthetic barriers used in the construction of canals.</p> <p>Geosynthetic barriers used as a fluid barrier in the construction of tunnels and underground structures.</p> <p>Geosynthetic barriers used as a fluid barrier in the construction of liquid waste disposal sites or transfer sites.</p> <p>Geosynthetic barriers used in the construction of solid waste storage and disposal sites.</p> <p>Geosynthetic barriers used in transportation infrastructure.</p> |
| 3. Manufacturer | IKO-AXTER, 6 rue Laferriere, 75009 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+ |

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| 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 | 1600 | 1150 | | N/50mm | 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: elongation maximum | Longitudinal | 45 | 30 | | % | | |
| | Cross direction | 45 | 30 | | | | |
| Static puncture test (CBR test) | Resistance | 4 | 3,5 | | kN | | |
| | Move | 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 aging due to climatic conditions | | Maximum tensile force | 100 | 75 | | | % |
| | | Elongation | 100 | 75 | | | |
| Hazardous substances | | Note 1 and 2 | | | - | | |
| Gas Permeability | | < 2.10 ⁻⁴ | | | m ³ /m ² /j/atm | | |

NA: Not applicable due to the intended use of 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
03/10/2024