# Declaration of Performance

## HYRANGER TS

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|---|---|---|
| 1. | **Identification code** | HYRANGER TS |
| 2. | **Intended use** | Reinforced bitumen sheets for roof waterproofing. |
| 3. | **Manufacturer** | IKO-AXTER, 6 rue Laferriere, 75009 PARIS, France<br>www.axter.co.uk/downloads |
| 4. | **Authorised representative** | N/A |
| 5. | **System of assessment and verification of constancy of performance of the product** | System 2+ |
| 6a. | **Product covered by the harmonised standard** | EN 13707<br>The CSTB, notify body n° 0679 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<br>n° 0679 - CPR - 0128. as well as the certificate of conformity of the factory production control n° 0679 - CPR - 1410. |
| 6b. | **European Technical Assessment** | N/A |

## 7. Declared performance

| Essential characteristics | | | Performance | | | | Harmonised technical specification |
|---|---|---|---|---|---|---|---|
| | | | Value | Tolerance | | Units | |
| | | | | Min | Max | | |
| Resistance to tearing (nail shank) | Longitudinal | | NA | - | - | N | EN 13707:2014 |
| | Cross direction | | NA | - | - | | |
| Tensile properties: maximum tensile force | Longitudinal | | 250 | 155 | - | N/50mm | |
| | Cross direction | | 250 | 120 | - | | |
| Tensile properties: maximum elongation | Longitudinal | | 3 | 2 | - | % | |
| | Cross direction | | 3 | 2 | - | | |
| Shear resistance of joint | Maximum force | Selvedge | NA | - | - | N/50mm | |
| | | End joint | NA | - | - | | |
| Peel resistance of joint | Maximum force | Selvedge | NA | - | - | N/50mm | |
| | | End joint | NA | - | - | | |
| Flexibility at low temperature | | | ≤-15 | | | °C | |
| Durability EN 1296 | Flow resistance at elevated temperature | | NA | - | - | °C | |
| Durability EN 1297 | Visible defects | | NA | | | | |
| Resistance to static loading (method A) | | | NPD | | | kg | |
| Resistance to impact (method A) | | | ≥ 400 | | | mm | |
| Watertightness under 10 kPa | | | Conform | | | - | |
| Resistance to root penetration | | | NA | | | - | |
| Resistance to external fire exposure | | | FRoof (Note 1) | | | - | |
| Reaction to fire | | | NPD | | | - | |
| Dangerous substances | | | Note 2 and 3 | | | - | |

NA: Not applicable due to use of product.
NPD: No performance determined.
Note 1 : As the resistance to external fire exposure of roof depends on the complete system, no performance can be declared for the product alone.
Note 2 : This product does not contain asbestos or tar constituents
Note 3 : 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 performance of the product identified above is in conformity with the set of declared performance/s. In accordance with Regulation (EU) No 305/2011, this declaration of performance is issued under the sole responsibility of the manufacturer identified.

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



Paris
14/03/2025