

# Declaration of Performance

HYRENE / HYRANGER TS

|  |  |
|--|--|
| <b>1. Identification code</b>  | HYRENE / HYRANGER TS   |
| <b>2. Intended use</b>   | Reinforced bitumen sheets for roof waterproofing.  |
| <b>3. Manufacturer</b>   | IKO-AXTER, 6 rue Laferriere, 75009 PARIS, France<br><a href="http://www.axter.co.uk/downloads">www.axter.co.uk/downloads</a>   |
| <b>4. Authorised representative</b>  | N/A  |
| <b>5. System of assessment and verification of constancy of performance of the product</b> | System 2+  |
| <b>6a. Product covered by the harmonised standard</b>                                      | 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 n° 0679 - CPR - 0128.<br>The SGS INTRON Certification B.V, notify body n° 0958 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° 0958-CPR-2016/3. |
| <b>6b. European Technical Assessment</b>   | N/A  |

**7. Declared performance**

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

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 305/211, this declaration of performance is issued under the sole responsibility of the manufacturer identified.

Only the most recent published version of this document is valid, available at [www.axter.co.uk/downloads](http://www.axter.co.uk/downloads). Once downloaded, documents are uncontrolled so users should always ensure they are referring to the latest version. Further assistance is available from Axter Ltd's Technical Support Team, email: [technical@axterltd.co.uk](mailto:technical@axterltd.co.uk).

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



Paris  
09/02/2024