

# Declaration of Performance

## HYRENE / HYRANGER SPOT ST

|     |  |  |
|-----|--|--|
| 1.  | Identification code  | HYRENE / HYRANGER SPOT ST  |
| 2.  | Intended use   | Reinforced bitumen sheets for roof waterproofing   |
| 3.  | Manufacturer   | AXTER SAS 143, avenue de Verdun, 92130 Issy-les-Moulineaux, France<br><a href="http://www.axter.co.uk/downloads">www.axter.co.uk/downloads</a>   |
| 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 n° 0679 - CPR - 0128. |
| 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                            |           | 450            | 320       | 500 | N/50 mm |                                    |
|   | Cross direction                         |           | 275            | 250       | 350 |         |                                    |
| Tensile properties: elongation            | Longitudinal                            |           | 15             | 10        | 50  | %       |                                    |
|   | Cross direction                         |           | 15             | 10        | 50  |         |                                    |
| Peel resistance of joint                  | Maximum force                           | Selvage   | NA             | -         | -   | N/50mm  |                                    |
|   |   | End joint | NA             | -         | -   |         |                                    |
|   | Average force                           | Selvage   | NA             | -         | -   |         |                                    |
|   |   | End joint | NA             | -         | -   |         |                                    |
| Shear resistance of joint                 | Maximum force                           | Selvage   | NA             | -         | -   | N/50mm  |                                    |
|   |   | End joint | NA             | -         | -   |         |                                    |
| Flexibility at low temperature            |   |           | -16            | ≤         |     | °C      |                                    |
| Durability EN 1296                        | Flow resistance at elevated temperature |           | NA             |           |     | °C      |                                    |
| Durability EN 1297                        | Visible defects                         |           | NA             |           |     |         |                                    |
| Resistance to impact                      |   |           | 700            | ≤         |     | mm      |                                    |
| Resistance to static loading (method A)   |   |           | 10             | ≥         |     | kg      |                                    |
| Watertightness under 10 kPa               |   |           | Conform        |           |     | -       |                                    |
| Resistance to root penetration            |   |           | NA             |           |     | -       |                                    |
| Resistance to external fire exposure      |   |           | FRoof (Note 1) |           |     | -       |                                    |
| Reaction to fire                          |   |           | PND            |           |     | -       |                                    |
| Dangerous substances                      |   |           | Note 2 and 3   |           |     | -       |                                    |

NA: not applicable due to use of product. PND: Performance not 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 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

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



Paris  
10/08/2018