

DECLARATION OF PERFORMANCE



N°: HYRENE / HYRANGER TS NH 002 EN

1. **Identification code** HYRENE / HYRANGER TS
2. **Intended use** Reinforced bitumen sheets for roof waterproofing
Bitumen water vapour control layers
3. **Manufacturer** AXTER SAS
8, avenue Félix d'Hérelle
75016 PARIS
France
www.axter.eu/dop
4. **Authorised representative** NA
5. **System of assessment and verification of constancy of performance of the product** System 2+
System 3
- 6a. **Product covered by the harmonised standard:** EN 13707
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. EN 13970
Declaration of the performance of the essential characteristics by the manufacturer
- 6b. **European Technical Assessment :** NA
7. **Declared performance**

Essential characteristics			Performance			Harmonised technical specification
			Value	Tolerance		
				Min	Max	
Resistance to tearing (nail shank)	Longitudinal		80	50	150	N
	Cross direction		80	50	150	
Tensile properties : maximum tensile force	Longitudinal		250	200	550	N/50 mm
	Cross direction		150	120	350	
Tensile properties : elongation	Longitudinal		3	2	4	%
	Cross direction		3	2	4	
Shear resistance of joint	Maximum force	Selvedge	NA	-	-	N/50mm
		End joint	NA	-	-	
Flexibility at low temperature			-16	≤		°C
Resistance to impact			500	≥		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		100	90	110	°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)			-
Watertightness under 2 kPa			Conform			-
Water vapour transmission properties			285			m
Durability EN 1296	Water vapour transmission		290			m
Durability EN 1847	Water vapour transmission		NPD			m

NA: not applicable due to use of product.

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 above.

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

Paris
01/06/2017