

# PRODUCT DATA SHEET

n° of certification organisation: 0679  
Year mark was 1<sup>st</sup> fixed : 2006

## HYRENE (HYRANGER) PY RE

Technical ref:  
▶ AT HYRANGER

### DESCRIPTION

→ HYRANGER PY RE is a stabilised polyester reinforced SBS elastomeric modified bituminous waterproofing membrane.

### USE

→ Base or intermediate layer of the HYRANGER multi-layer waterproofing system for flat roofs. It can also be used as the top layer under site applied added protection.

### APPLICATION METHOD

→ Torched or pour and roll.

### STORAGE

→ Rolls to be stored upright and away from heat.

### COMPOSITION (indicative)

Reinforcement (gm/m <sup>2</sup> ) :	Stabilised polyester	180
Binder (gm/m <sup>2</sup> ) :	SBS elastomer	1,440
Surface finish (gm/m <sup>2</sup> ) :	Sand	300
Under surface finish (gm/m <sup>2</sup> ) :	Sand	300

### CHARACTERISTICS

	STANDARD(BS)	UNITS	VALUES	Tolerance		
				Min	Max	
Dimensions	EN 1848-1	Length	15	-1%		
		Width	1	-1%		
		Straightness	Pass			
	EN 1849-1	Nominal roll weight	34.2			
		Thickness (on finished product)	2.30	2.15	2.50	
Visible defects	EN 1850-1	New product	None			
		After ageing to EN 1297	NA			
Adhesion of granules	EN 12039	%	NA	-	-	
Resistance to tearing (nail shank)	EN 12310-1	Longitudinal	NA	-	-	
		Cross direction	NA	-	-	
Tensile properties : maximum tensile force	EN 12311-1	Longitudinal	750	500	1030	
		Cross direction	750	500	900	
Tensile properties : elongation	EN 12311-1	Longitudinal	35	25	55	
		Cross direction	35	25	60	
Peel resistance of joint	EN 12316-1	Maximum force	Selvage	NA	-	-
			End joint	NA	-	-
		Average force	Selvage	NA	-	-
			End joint	NA	-	-
Shear resistance of joint	EN 12317-1	Maximum force	Selvage	NA	-	-
			End joint	NA	-	-
Flexibility at low temperature	EN 1109	Surface	-16	≤		
		Under surface	-16	≤		
Flow resistance at elevated temperature	EN 1110	New product	100	≥		
		After ageing to EN 1296	NA	-	-	
Resistance to impact	EN 12691	mm	20	≤		
Resistance to static loading	EN 12730 (A)	kg	20	≥		
Dimensional stability	EN 1107-1	%	0.5	≤		
Form stability under cyclic temperature change	EN 1108	%	NA			
Water vapour transmission properties	EN 1931	New product	μ=20000			
		After ageing to EN 1296	NA			
Watertightness	EN 1928	New product	Pass	<10 kPa		
		After ageing to EN 1296	NA			
Watertightness after stretching at low temperature	EN 13897	%	NA			
Reaction to fire	EN 13501-1	-	F			
Resistance to root penetration	EN 13948	-	NA			
Dangerous substances consult :	-	-	None			

http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm  
NA=not applicable due to use of product.

The manufacturer reserves the right to modify, at any time, the characteristics of its products.