

# PRODUCT DATA SHEET

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

Technical ref:

FT AXTER

## HYRENE (HYRANGER) SPOT S3V

### DESCRIPTION

HYRANGER SPOT S3V is a self-adhesive, glass-fibre reinforced SBS elastomeric modified bituminous waterproofing membrane. The under surface is covered with a peel-off film. The under surface and side lap are self-adhesive. The width of the side lap is 8cm.

### USE

Self-adhesive / heat activated base layer in multi-layer torch on roof waterproofing systems. Particularly suitable as the base layer of a two-layer system on polystyrene. Suitable for all types of work, refurbishment or new and on all decks with a slope less than 20%.

### APPLICATION METHOD

Adhesive.

### STORAGE

Rolls to be stored upright and away from heat.

### COMPOSITION

(indicative)

Reinforcement (gm/m <sup>2</sup> )	Glass-fibre	200
Binder (gm/m <sup>2</sup> )	SBS elastomer	3,580
Surface finish (gm/m <sup>2</sup> )	Macro perforated film + sand	100
Under surface finish (gm/m <sup>2</sup> )	Peel-off silicone film	40

### CHARACTERISTICS

CHARACTERISTICS	STANDARD(BS)	UNITS	VALUES	Tolerance		
				Min	Max	
Dimensions	EN 1848-1	Length	10	0%		
		Width	1	-1%		
		Straightness	-	Pass		
	EN 1849-1	Nominal roll weight	37.0			
		Thickness (on finished product)	3.00	2.85	3.20	
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	1120	960	1280	
		Cross direction	1280	960	1600	
Tensile properties : elongation	EN 12311-1	Longitudinal	15	11	19	
		Cross direction	15	10	20	
Peel resistance of joint	EN 12316-1	Maximum force	Selvedge	NA	-	-
			End joint	NA	-	-
		Average force	Selvedge	NA	-	-
			End joint	NA	-	-
Shear resistance of joint	EN 12317-1	Maximum force	Selvedge	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	%	0.1	≤		
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 : <a href="http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm">http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm</a>	-	-	None			

NA=not applicable due to use of product.