

PRODUCT DATA SHEET

n° of certification organisation: 0679
Year mark was 1st fixed : 2006

HYRENE (HYRANGER) TS PY FMP Sanded

Technical ref:
AT HYRANGER TS

DESCRIPTION

HYRANGER TS PY FMP Sanded is a stabilised polyester reinforced SBS elastomeric modified bituminous waterproofing membrane. Minimum side lap width is 6cm shown by a red line. A second line 16cm from the edge allows the material to be identified after installation.

USE

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

APPLICATION METHOD

Torched.

STORAGE

Rolls to be stored upright and away from heat.

COMPOSITION

(indicative)

Reinforcement (gm/m ²) :	Stabilised polyester	180
Binder (gm/m ²) :	SBS elastomer	2,300
Surface finish (gm/m ²) :	Macro perforated film+sand	100
Under surface finish (gm/m ²) :	Sand	300

CHARACTERISTICS

	STANDARD(BS)	UNITS	VALUES	Tolerance			
				Min	Max		
Dimensions	Length	m	10	-1%			
	Width	m	1	-1%			
	Straightness	-	Pass				
	Nominal roll weight	kg	43.7				
	Thickness (on finished product)	EN 1849-1	mm	2.80	2.65	3.00	
Visible defects	New product	-	None				
	After ageing to EN 1297	-	NA				
Adhesion of granules	EN 12039	%	NA	-	-		
Resistance to tearing (nail shank)	Longitudinal	EN 12310-1	N	NA	-	-	
	Cross direction			NA	-	-	
Tensile properties : maximum tensile force	Longitudinal	EN 12311-1	N/50 mm	690	570	810	
	Cross direction			540	440	640	
Tensile properties : elongation	Longitudinal	EN 12311-1	%	40	30	50	
	Cross direction			50	40	60	
Peel resistance of joint	Maximum force	Selvage	EN 12316-1	N/50mm	NA	-	-
		End joint			NA	-	-
	Average force	Selvage			NA	-	-
		End joint			NA	-	-
Shear resistance of joint	Maximum force	Selvage	EN 12317-1	N/50mm	NA	-	-
		End joint			NA	-	-
Flexibility at low temperature	Surface	EN 1109	°C	-16	≤		
	Under surface			-16	≤		
Flow resistance at elevated temperature	New product	EN 1110	°C	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	%	0.3	≤			
Form stability under cyclic temperature change	EN 1108	%	NA				
Water vapour transmission properties	New product	EN 1931	-	μ=20000			
	After ageing to EN 1296		-	NA			
Watertightness	New product	EN 1928	-	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 : http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm	-	-	-	None			

NA=not applicable due to use of product.