Technical Data Sheet
Paro-Melt® Protection Membrane

Product Description:
The Paro-Melt® Protection Membrane is a polyester reinforced, SBS elastomeric modified bituminous waterproofing membrane with anti-root additive. It is finished on both upper and lower surfaces with fine sand to aid full adhesion into the Paro-Melt® Hot Melt Compound.

It is designed for use as a protection membrane in a Paro-Melt® hot melt waterproofing system. It contains anti-root additives, making it suitable for use in all inverted applications: roofs, podiums, terraces, balconies and living roofs.

Composition:

Reinforcement (gm/m²)	Stabilised polyester	180
Binder (gm/m²)	SBS elastomer with anti-root	4,000
Surface finish (gm/m²)	Sand	300
Under surface finish (gm/m²)	Sand	300

Certification:

System Fire Testing:
As Section 7 of the BBA Agrément Certificate No 20/5745 a roof incorporating the Paro-Melt® system will be unrestricted under the National Building Regulations when used in a protected or inverted application and when covered with an appropriate surface finish, including listed inorganic coverings in the 'Annex of Commission Decision 2000/553/EC'.

Application:
The Paro-Melt® Protection Membrane should be rolled into the Paro-Melt® Hot Melt Compound in a pour and roll application method.

Technical data:

Characteristics			Standard (BS)	Units	Performance		
					Value	Tolerance	
						Min	Max
Dimensions	Length		EN 1848-1	m	7.5	-1%	
	Width			m	1	-1%	
	Straightness			-	Pass		
	Nominal roll weight			kg	36.6		
	Thickness (selvedge)		EN 1849-1	mm	3.85	3.70	4.0
Visible defects	New product		EN 1850-1	-	None		
	After ageing 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/50mm	600	500	900
	Cross direction				600	500	730
Tensile properties: elongation	Longitudinal		EN 12311-1	%	35	25	55
	Cross direction				35	25	60
Peel resistance of joint	Maximum force	Selvedge	EN 12316-1	N/50mm	NA	-	-
		End joint			NA	-	-
	Average force	Selvedge			NA	-	-
		End joint			NA	-	-
Shear resistance of joint	Maximum force	Selvedge	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	1000	≤	
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		
	New product			-	Pass		

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Water tightness	After ageing to EN 1296	EN 1928	-	NA	<10 kPa
Water tightness after stretching at low temperature		EN 13897	%	NA	
Reaction to fire		EN 13501-1	-	PND	
Resistance to root penetration		EN 13948	-	Pass	
Dangerous substances		-	-	None	

NA = not applicable due to use of product. PND = Performance not determined.

MOY Materials Ltd reserves the right to modify, at any time, the characteristics of this product

Delivery form:
Rolls.

Storage:
Rolls must be stored in their original package, in vertical position and under cool and dry conditions between temperatures of +5 °C and +35 °C. They must be protected from direct sunlight, rain, snow and ice.

Safety:
Safety precautions to be taken when using this product are given in the Safety Data Sheet.

Disposal:
Information for this product are given in the Safety Data Sheet.