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Bitumen Waterproofing
Single Ply Waterproofing
Liquid Waterproofing

Technical Data Sheet

VAP AL

Air & Vapour Control Layer (AVCL), Base & Underlayer

1.	**Description**	VAP AL is an SBS modified bitumen air and vapour control layer (AVCL) with thermofusible film on the underside and a sand facing to the upper surface.
2.	**Use**	A low permeability AVCL membrane used as part of a system to control the movement of air from within the building. Can also be used as base or underlayer as part of a multi-layer waterproofing system. The choice of AVCL is determined by calculation depending on the overall roof system, the internal and external relative humidity and air temperatures, the specified roof deck/ slab and the need for a robust temporary waterproofing layer. Subject to the above calculation, VAP AL is suitable for use in warm roof applications as part of an Axter bitumen, single ply or liquid waterproofing system.
3.	**Application method**	Installed fully bonded, with fully sealed joints, using torch-on techniques to form a continuous layer. The minimum overlap width is 80mm.
4.	**Storage**	Rolls to be stored upright, without stacking and away from heat. Rolls should be kept dry until installation.
5.	**Composition**	(Indicative). See below.

Reinforcement (g/m²)	Composite aluminium + glass fibre 120g/m²
Binder	SBS elastomer
Upper surface finish	Sand
Underside surface finish	Thermofusible film

Characteristics		**Standards (BS)**	**Units**	**Value**	**Tolerance**	
					Min	**Max**
Dimensions	**Length**	-	m	8	-1%	
	Width		m	1	-1%	
	Nominal roll weight	-	kg	≈ 31	-	
	Thickness (on finished product)	-	mm	3.00	± 5%	
Resistance to tearing (nail shank) L x T		EN 12310-1	N	50 x 50	-	
Maximum strength L x T		EN 12311-1	N/50mm	300 x 250	-	
Maximum elongation L x T		EN 12311-1	%	5 x 15	-	
Water vapour transmission properties		EN 1931	Sd(m)	≥ 1500	-	
Reaction to fire		EN 13501-1	Class	E	-	

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