

Technical Data Sheet

SK VAP

1. Description	SK VAP is a self-adhesive air and vapour control layer (AVCL) with an aluminium foil on the surface and a silicone film on the under surface. The width of end and side laps is 8cm.
2. Use	An AVCL low permeability membrane used as part of a system to control the movement of air, water vapour from within the building. Can also be used as a base or underlayer as part of a multi-layer waterproofing system. The choice of AVCL will depend on the degree of air and vapour pressure produced, the specified roof deck/slab and the need for a robust temporary waterproofing layer. SK VAP is accredited for use in Axter single ply, reinforced bitumen membrane (RBM) and cold applied liquid waterproofing systems.
3. Application method	<p>Installed fully bonded with fully sealed joints using self-adhesive technique to form a continuous layer.</p> <p>The surface on which the SK VAP is to be applied must be smooth, dry, clean and free from grease and its temperature must be $> 5^{\circ}\text{C}$. The deck or slab (timber, concrete, etc) must be treated with a bituminous primer (Vernis SA or other Axter Ltd specified primer). New metal decks do not need priming if they are smooth, clean, dry and free from grease. If this is not the case, the metal deck must be primed with Vernis SA or other Axter Ltd specified primer.</p> <p>The SK VAP is then rolled out as the silicone film is removed from the under surface. A roller is used to avoid air bubbles forming. The peel-off silicone strip is removed from side and end laps which must be min 8cm in width. Laps must be pressed to ensure full bonding. Strips can be cut into any shape required using a sharp knife.</p> <p>SK VAP should be laid in temperatures between 0°C to $+30^{\circ}\text{C}$ (deck/slab temperature $+5^{\circ}\text{C}$ to $+25^{\circ}\text{C}$) but not in rain, snow or frosty conditions.</p>
4. Storage	Rolls are to be stored upright on pallets standing on a level surface, in a cool, dry place, protected from heat (particularly the sun's rays). During cold weather the rolls must be stored for at least 12 hours before use at $+5^{\circ}\text{C}$. Pallets must not be stacked on top of one another.
5. Composition	(Indicative).

Binder (g/m ²)	Self-adhesive bitumen	1200
Surface finish (g/m ²)	Aluminium + polyester film	50
Under surface finish (g/m ²)	Silicone film	30

Characteristics		Standard(BS)	Units	Values	Tolerances	
					Min	Max
Dimensions	Length	EN 1848-1	m	25	-1%	
	Width		m	1.08	-1%	
	Straightness		-	Pass		
	Nominal roll weight		kg	32.4		
	Thickness	EN 1849-1	mm	1.20	1.20	1.40
Resistance to tearing (nail shank)	Longitudinal	EN 12310-1	N	32	20	40
	Cross direction			32	20	40
Tensile properties: maximum tensile force	Longitudinal	EN 12311-1	N/50mm	250	200	
	Cross direction			250	200	
Tensile properties: elongation	Longitudinal	EN 12311-1	%	25	20	
	Cross direction			25	20	
Flexibility at low temperature	Surface	EN 1109	°C	-20		
	Under surface			-20		
Water vapour transmission properties	New product	EN 1931	m	3300	2500	4000
	After ageing to EN 1296		-	NA		
Watertightness	New product	EN 1928	-	Waterproof	<2 kPa	
	After ageing to EN 1296		-	NA		
Reaction to fire		EN 13501-1	-	NPD		

NA=Not applicable due to use of product.

NPD=No Performance Determined.

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