

# Product Specification

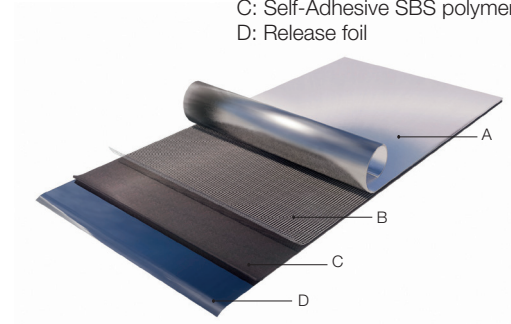
## AluShell

AluShell is a high-quality self-adhesive air and vapour control layer composed of a reinforced aluminum foil, a self-adhesive layer of high polymer SBS and a silicone protective film. Due to its high resistance to water vapour permeability, AluShell can be used for almost all flat roofs in combination with most indoor climate conditions.

### Technical Data

AluShell is available in two thicknesses 0.4 mm and 0.6 mm. AluShell 0.4 mm can only be applied in mechanically fixed roof applications.

A: Composite aluminium layer  
B: Glass fibre reinforcement  
C: Self-Adhesive SBS polymeric bitumen  
D: Release foil



Characteristic	Unit	AluShell 0.6	AluShell 0.4
Width	mm	1080	1080
Roll length	m	30	50
Rolls/pallet	pcs	24	30
m <sup>2</sup> /pallet	m <sup>2</sup>	777.6	1620
Weight/roll +/- 10%	kg/rol	20.6/rolls 490.0/palets +/-10%	22.6/rolls 675 /palets +/-10%
µd	m	> 1500	> 1500
Shear strength joint EN 12317-1	N/50mm	> 300	> 300
Reaction to fire EN 13501-1	Class	E	E
Dimensional stability EN 1110	mm	< 2	< 2
Weather exposure		< 3 weeks	To be covered immediately
Allowed substrates		Profiled metal sheet, concrete, wooden boards	Only for mechanically attached roof systems

### Application

AluShell can be applied in temperatures between +5°C and 40°C. At temperatures below 10°C, we recommend storing the product at room temperature until required. The surface to be applied should be clean, dry, smooth and free from dust and grease. Primer 9800 must be used prior to application.

Roll out the AluShell with a seam overlap of 80 mm minimum. Remove the release film and press firmly onto the surface. Roll overlaps with a silicone pressure roller. Always consult the installation instructions prior to use.

### Storage

Store in its original packaging in a dry, dust-free environment at temperatures between +5°C and 30°C. Store product upright without pressure on the rolls.

Shelf life: 12 months.

### Approvals, certificates

CE: EN 13970, Flexible sheets for waterproofing - Bitumen water vapour control layers.