

# Product Datasheet

## Derbicoat Alu AVCL

Sheet No: PD219FR  
 Issued: Oct 2024  
 Pages: 1 of 2

### Description

Derbicoat Alu AVCL is an SBS polymer modified bitumen, aluminium cored, high performance flat roofing vapour barrier, with exceptional performance characteristics.

### Use

For use as a torch-applied air and vapour control layer in built-up Derbigum roofing systems, in both new build and refurbishment projects.

### Application

Fully bonded by torch application onto suitable substrates (primed as appropriate) with 4-bar propane gas torch equipment.

Laps (100mm side, 150mm end) are sealed by torch application.

- All overlaps must be with the slope. Always position the membrane starting from the lowest point.
- Position the membrane sheets staggered, avoiding any overlaps against the roof fall.
- Cut the corners of membrane sheet which will be laid under the next sheet at a 45° angle (100 x 100mm).
- The joints, both side and head, must be respectively overlapped by 100 & 150mm.
- The bituminous membrane will be applied with a propane gas torch to the substrate. It is necessary to heat the entire surface, making sure that the compound forms a liquid mass in front of the roll to ensure that it saturates any superficial porosity.
- Once torched, the side laps (100mm) and head laps (150mm) must be pressure rolled with a long handled 15kg roller from which a bead of compound should flow, therefore avoiding having to trowel the overlaps.
- Apply the vertical membrane sheet making sure that it overlaps the horizontal one by at least 100mm, heating it with a gas torch and squeezing it with a trowel until a bead of compound appears from underneath.
- The height of the vertical details must be equivalent or superior to the finished surface by at least 150mm.

### Storage

Store upright in a clean, dry location, and away from heat sources.

### Product Data

Thickness	3.0 mm
Width	1.0 m
Length	10.00 m
Weight	3.72 kg/m <sup>2</sup>
Weight per roll	37.2 kg

### Performance Data

Tensile Strength – longitudinal	350 N/50mm
Tensile Strength – transverse	350 N/50mm
Elongation at break – longitudinal	5 %
Elongation at break – transverse	5 %
Softening point	140°C
Vapour diffusion resistance $\mu$	30 million

# Product Datasheet

## Derbicoat Alu AVCL

Sheet No: PD219FR  
Issued: Oct 2024  
Pages: 2 of 2

### Health & Safety

Safety Data Sheets are available upon request and can also be downloaded directly from [www.alumascroofing.com](http://www.alumascroofing.com).

### Technical Support

Technical advice is available from Alumasc Technical Services at:

Telephone: +44 (0) 1744 648400  
Email: [technical@alumascroofing.com](mailto:technical@alumascroofing.com)

The company pursues a policy of constant product development and information contained in this publication is therefore subject to change without notice. The customer is responsible for ensuring that each product is fit for its intended purpose and that the conditions for use are suitable. All quoted data is nominal and subject to production tolerances.

