

Product Datasheet

Derbigum Black

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Issued: April 2012
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Description

Derbigum Black is a Thermoplastic Polyolefin (TPO) modified, dual reinforced, high performance flat roofing membrane which is UV resistant and does not require any additional surface coating, although stone chippings or solar paint may be applied if desired.

Use

For use as a cap sheet in either a cold applied single layer system, or torch applied as a cap sheet in a traditional built-up roofing system, in both new build and refurbishment projects. Also for use under podium decks and roadways, and in tunnels, bridges and underground car parks etc. Derbigum Black can receive hot-rolled asphalt directly. It is also available in an anti-root version for green roof applications.

Approvals

British Board of Agrément Certificate No. 85/1593C.

Application

Fully bonded in Derbibond S by squeegee or spraygun, at the specified coverage rate per square metre, or fully bonded by torch application with 4 Bar propane gas torch equipment.

Laps can be sealed either by torch application or hot-air welding.

Lap sizes (all systems): 100mm side, 150mm end.

- 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 second layer of membrane will be applied astride and over the first one, always in the same direction, and approx. 1/4 of its length from the previous sheet.
- 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.

Fire Rating

F.AC to BS 476 pt 3:2004 - External fire exposure to roofs. Reaction to fire: Class E.

Also available in special blends to meet standard European Fire Tests (pr EN 1187/1, 2 & 3), and Factory Mutual Requirements.

Storage

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

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Thickness	4mm
Width	1.1m
Length	8.0m
Weight	4.2 kg/m ²
Weight per roll	37 kg

Performance Data

Tensile Strength - longitudinal	700 N/50mm
Tensile Strength - transverse	650 N/50mm
Elongation at break - longitudinal	45%
Elongation at break - transverse	45%
Unrestricted shrinkage	<0.1%
Softening point	150° C
Cold Flex	-15° C

Health & Safety

Material Safety Data Sheets are available upon request, and can also be downloaded directly from www.alumascwaterproofing.co.uk

Technical Support

Technical advice is available from Alumasc Technical Services at:

Telephone: +44 (0)1744 648400

Facsimile: +44 (0)1744 648401

Email: waterproofing@alumasc-exteriors.co.uk

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