

Description

Derbigum Olivine Cap Sheet is a CO₂ neutralising APP/TPO plastomer modified, composite reinforced, mineral surfaced, UV resistant, flat roofing membrane. It is surfaced with a natural olivine granule, which has an opaque olive-green appearance.

The olivine (magnesium iron silicate) granules cause a chemical reaction in CO₂ in rainwater which converts it to harmless silicon dioxide (SiO₂, i.e. sand), magnesium carbonate (MgCO₃, i.e. inorganic salt) and water. One square metre of Derbigum Olivine will neutralise approx. 1.75kg of CO₂.

Use

Reinforced cap sheet for use in built-up roofing systems on both new-build and refurbishment projects.

Approvals

British Board of Agrément Certificates No's 86/1593 and 18/5563.

Product Data

Thickness	4mm
Width	1.1m
Length	7.27m
Weight	6 kg/m ²
Weight per roll	48 kg

All dimensions are nominal and subject to manufacturing tolerances.

Performance Data

Tensile Strength – longitudinal	900 N/50mm
Tensile Strength – transverse	700 N/50mm
Elongation at break – longitudinal	40%
Elongation at break – transverse	40%
Dimensional stability	<0.3%
Softening point	140°C
Cold Flex	-18°C

Application

Fully bonded by torch application.

- Laps can be sealed either by torch application or hot-air welding.
- Lap sizes: 100mm side, 150mm end, pressure rolled simultaneously with a long-handled 15kg lap roller.
- Position the membrane starting from the lowest point of the roof.
- Membrane sheets must be staggered, avoiding any overlaps against the fall.
- Pre-cut the lower corner of the end of each roll at 45° where it will be overlapped by the end lap of the next roll.
- Apply the second layer of membrane astride and over the first layer (always in the same direction and approximately 1/4 of its length from the previous sheet).
- Heat evenly across the surface, maintaining a liquid bitumen mass in front of the roll (saturating any superficial porosity).

Fire Rating

Classified as BROOF(t4) in accordance with BS EN 13501-5 following testing to BS EN 1187: Test 4. This classification permits unrestricted use under the Building Regulations when installed as part of the tested roof assembly.

Storage

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

Health & Safety

Copies of Alumasc Safety Data Sheets can be downloaded from the Alumasc Roofing [website](#).

