

Product Datasheet

Derbigum Olivine

Sheet No: PD014FR
 Issued: July 2021
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Description

Derbigum Olivine is a CO₂ neutralising APP/TPO plastomer modified, composite reinforced, mineral surfaced, UV resistant, high performance 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

For use as a torch applied cap sheet in a traditional built-up roofing system, in both new build and refurbishment projects, or as a cold applied single layer system on selected projects.

Note: Not suitable for use in Bluroofs or green roofs – use Derbigum Black/Derbigum Anti-Root – see separate data sheets.

Approvals

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

Product Data

Thickness	4.0mm
Width	1.1m
Length	7.27m
Weight	5.6 kg/m ²
Weight per roll	45 kg

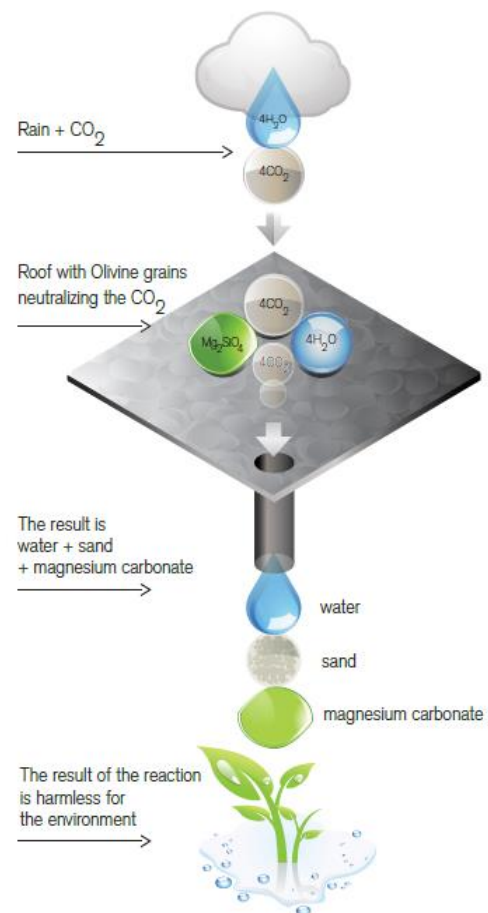
Performance Data

Tensile Strength – longitudinal	900 N/50mm
Tensile Strength – transverse	700 N/50mm
Elongation at break – longitudinal	40%
Elongation at break – transverse	40%
Unrestricted shrinkage	<0.1%
Softening point	140°C
Cold Flex	-18°C

Application

Fully bonded by torch application with 4 Bar propane gas torch equipment (or in Derbigum NT by squeegee or spray gun, at the specified coverage rate per square metre, on selected cold applied applications).

- 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 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.



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- 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, away from heat sources.

Health & Safety

Safety Data Sheets are available upon request and can also be downloaded directly from www.alumascroofing.com.

Technical Support

Technical advice is available from Alumasc Technical Services at:

Telephone: +44 (0)1744 648400

Email: technical@alumascroofing.com

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