

**Latest News**  
**January 6<sup>th</sup> 2014**

## **UK's first Olivine roof supplied by Alumasc Roofing Systems**

***Alumasc has supplied a pioneering new flat roofing system with unique environmental benefits, as part of the redevelopment of thecentre:mk shopping centre in Milton Keynes.***

Derbigum Olivine is an ecological roofing solution, with a naturally-sourced upper mineral layer. During rainfall, the Olivine membrane makes contact with CO<sub>2</sub> present in the atmosphere resulting in a chemical reaction taking place which neutralises the CO<sub>2</sub>. An impressive 1,750kg of CO<sub>2</sub> can be neutralised over the lifetime of the roof, providing a positive impact on climate change.

Joint owners of thecentre:mk, Hermes Real Estate Investment Management and Prudential Property Investment Managers, opted to replace the original roof as part of a re-roofing programme that sees the company strategically replacing a number of its vulnerable roofs every year.



Over 1000m<sup>2</sup> of the Derbigum Olivine membrane was expertly installed by M & J Flat Roofing, an Alumasc registered contractor. Richard James, Managing Surveyor at M&J Flat Roofing explains: "The existing roofing works at the shopping centre had been waterproofed using a green mineral faced bituminous roofing system. We introduced Alumasc's Derbigum Olivine to the Centre Management who approved the installation because they thought the concept of Olivine's CO<sub>2</sub> neutralising properties was unique and fitted with their carbon neutral stance. The system proved to be more cost effective than the previous roofing system and was simple to install."

The shopping centre scheme did, however, present challenges that the Alumasc Technical Team was able to overcome. Alumasc's Southern Region Manager, James Donovan, explains: "Modern roofs are designed with a fall to allow efficient drainage of rainwater, however roofs designed in the 1970s were notorious for poor fall and this was the case on the Milton Keynes scheme. To combat this, Alumasc specified a pitched insulation solution to assist with rainwater run-off, which in turn will help prolong the life expectancy of the roof."



Like all other Derbigum membranes, Olivine is easy to apply, highly durable and 100% recyclable. It can be applied as part of a one or two-layer system and can be cold bonded, hot air welded or torch-applied.

For more information on Derbigum Olivine and the full range of Alumasc Roofing systems, please visit [www.alumascroofing.co.uk](http://www.alumascroofing.co.uk)

For literature, please call 0808 100 2008.

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