



# M-LS BlockMix

MANUFACTURED LIMESTONE  
SUSTAINABLE CONSTRUCTION AGGREGATE



## M-LS BlockMix

O.C.O Technology specialises in carbon capture, sustainable construction products and waste treatment.

M-LS stands for Manufactured LimeStone. Our process takes just a few minutes to recreate a natural process that takes millennia. By using by-product CO<sub>2</sub>, which is permanently bound into the product, we have created an effective Carbon Capture and Utilisation (CCU) process.

Our aggregate is made from thermal residues, which are often naturally reactive with CO<sub>2</sub>. One tonne of finished aggregate has typically captured 44kg more CO<sub>2</sub> than was generated during manufacture. Making it carbon negative.

The process has multiple treatment stages. Thermal wastes are precisely blended together to create a reactive mixture, which is then stabilised with liquid CO<sub>2</sub> and water. Fillers and binders are then added to further stabilise the carbonated mixture. The overall mixture is then granulated to produce rounded pellets, which are finally cured to harden.

Our process is flexible, and allows our aggregate to be tailored to the application. M-LS BlockMix is specially formulated for use in masonry products as well as other concrete applications.

The process diverts thermal residues from landfill, making a substantial contribution to the circular economy. The aggregate is truly sustainable, and helps to preserve precious natural aggregate reserves.

- Manufactured limestone sustainable construction aggregate
- Carbon negative product - typically minus 44kg CO<sub>2</sub> per tonne of aggregate
- Certified to BS EN 13055
- Specially formulated for use in concrete masonry blocks
- Sustainable replacement for traditional materials
- Lightweight, making it ideal for use in block manufacture
- Economical
- Ability to improve early mechanical strength
- Aids with absorbing excess moisture and improving material handling
- Reduction of cement content is achievable
- Contains a natural accelerator negating the need for additional admixtures

For further information see the M-LS BlockMix guidance notes.



Certificate Number 11259

ISO 9001  
ISO 14001  
OHSAS 18001



For more information contact O.C.O Technology at

Norfolk House, High Street, Brandon, Suffolk IP27 0AX  
+44 (0)1842 812229 - [info@oco.co.uk](mailto:info@oco.co.uk) - [oco.co.uk](http://oco.co.uk)