



M-LS 6F Series

MANUFACTURED LIMESTONE
SUSTAINABLE CONSTRUCTION AGGREGATE



M-LS 6F Series

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 CO₂, 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 CO₂. One tonne of finished aggregate has typically captured 44kg more CO₂ 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 CO₂ 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 6F Series is specially formulated for use in earthworks, pavements and bound materials.

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 CO₂ per tonne of aggregate
- Tested according to the 600 Series requirements and is certified to BS EN 13242
- Specially formulated for use in earthworks, pavements and bound materials
- Sustainable replacement for traditional materials
- Readily compliment natural aggregates, producing a high performance blended product
- Exhibits exceptional compaction qualities
- Cementitious qualities, and can be used in the production of HBM products
- Can aid with absorbing excess moisture and improve material handling
- Suitable for widespread use

For further information see the M-LS 6F guidance notes.



ISO 9001
ISO 14001
OHSAS 18001



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