

Case Study

ecoblendma

Avonmouth Dock RC Slab

Avonmouth



6,662 T
of material supplied



593 T
less material required*



25%
material cost savings*

Overview

Avonmouth Docks, Port of Bristol, have a continual development programme to improve key infrastructure and facilities across their sites. They run a number of initiatives to offset environmental impacts of future port developments. Developments within the port have a key focus on sustainability and maximising environmental benefits.



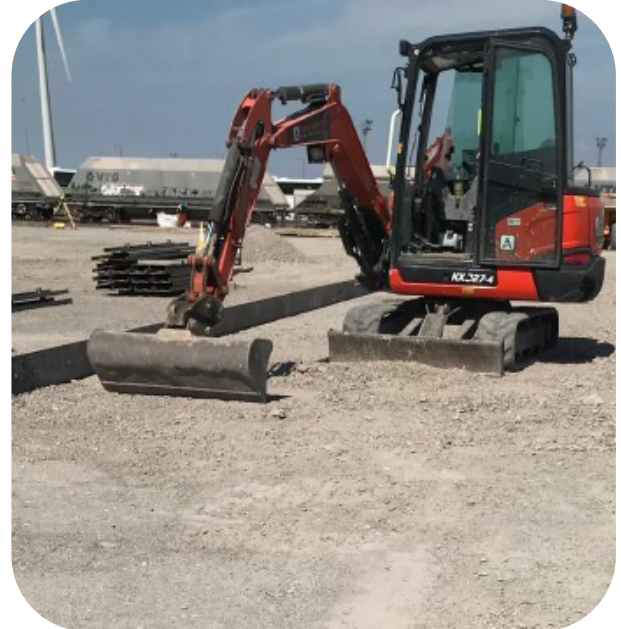
Scope of the work

Projects have been quick to adopt manufactured and recycled aggregates. One project involved the laying of a new 10,000m² Reinforced Concrete Slab for aggregate bays and hardstanding, including associated drainage.

Material Requirements

This project required both Ecoblend[®] MA Type 1 (5,773 tonnes), and Ecoblend MA 6F5 (888 tonnes). Having successfully used both materials in previous projects, the combination offered the ideal choice due to its:

- Environmental impact reduction
- Superior product quality
- Ready availability



Environmental & Economical Benefits



Circular Economy

2,960 tonnes of IBA repurposed into IBAA



Sustainability

3,197 tonnes of critical primary material saved



Material Efficiency

593 tonnes less material required*



Transport Efficiency

Material savings eliminated 60 additional lorry movements

Outcome

The continued commitment to using Ecoblend MA Type 1 and 6F5 aligns to the Port's environmental and sustainability objectives without compromising on quality or availability.

This case study illustrates the effectiveness of seamlessly integrating sustainability practices, making significant reductions to environmental impact whilst maintaining technical standards.

*Compared to a natural quarried material made to the same specification.