

MARINE AGGREGATES IN CONSTRUCTION

NEWHAVEN ERF ENERGY RECOVERY FACILITY



Source: Base Structures

BACKGROUND

The Energy Recovery Facility (ERF) situated at North Quay, Newhaven treats household waste that is not reused, composted or recycled to generate electricity, with the capacity to handle 210,000 tonnes of waste per year.

The electricity produced is sold to the National Grid and is enough to supply 25,000 homes.

The facility has been specifically developed with a capacity much lower than the total amount of household waste generated. This is to ensure that recycling initiatives are not compromised by the facility and to encourage even higher recycling levels.

Currently, landfill is running out in the county; this means that without an energy recovery facility, waste would have to be transported out of the area long distances to be landfilled. Limiting the use of landfill is also in line with government policy on landfill avoidance of untreated waste.

CONSTRUCTION NOTES

In excess of 32,000 cubic metres of ready mixed concrete was supplied between 2010 and 2011 using marine aggregate.

Various concrete mixes were required to a chloride class 0.3cl.

CONSTRUCTION CATEGORY

Structural concrete, visual concrete

USAGE CATEGORY

Built environment, ,environmental, energy