

EcoSand

Washed Glass Sand



Paving Sand

BS 7533-3:2005



EcoSand

This brochure describes EcoSand, a recycled glass product intended for use as a paving sand under block paving and concrete slabs.

Grading for laying Course Sand



Technical Description

The raw material for EcoSand is post-consumer waste glass collected by local authorities' recycling programmes. The glass is crushed, graded to size and washed to produce a clean 'washed glass sand'.

Requirement

EcoSand is tested to BS 7533-3:2005 'Code of Practice for Laying Precast Concrete Paving Blocks and Clay Pavers for Flexible Pavements', and meets the grading requirement of that Standard. Test results are available on request.

Sieve size mm	Percentage Passing Each Sieve (%)	
	CAT II	Typical Grading
8.0	100	100
6.3	95 - 100	100
4.0	85 - 99	99
0.5	30 - 70	40
0.063	Max 1.5	1.1

Benefits

- Since EcoSand is a manufactured product, it has a more consistent grading than many extracted aggregates.
- Effective use for waste material.
- Performs as well as naturally occurring sand.
- Addresses issues of sustainability.

Design

EcoSand should be incorporated in a construction design in the same way as natural sand. A recommended specification is ...the laying course should be compliant to BS 7533-3:2005 being a naturally occurring sand or washed glass sand produced in accordance with the Quality Protocol published by WRAP and available from Day Group Limited (0845 0654 655).

Paving Sand BS 7533-3:2005



Sitework

The use of EcoSand does not present any hazards to health beyond those which exist for natural sand. (COSHH assessments are available on request).

It is safe to handle and meets the technical requirements for a laying course under paving slabs or block paving.

EcoSand should be used damp to reduce exposure to dust and as with other paving sands, operatives should wear protective gloves.

Deliveries to site can be loose or bagged.

Sustainability

The use of EcoSand rather than extracted or dredged natural sand will help designers and contractors address issues of sustainability.

- The raw material of EcoSand is recycled glass and its use avoids the need for extracting sea dredged or land based sands. This in turn reduces the environmental impact of raw materials used on a project.
- Using EcoSand supports recycling schemes by providing a realistic, local end-use for the collected glass.
- Since the glass for EcoSand is collected and processed locally, low energy is used in its production and transportation.

Current Local Authority Users

- Surrey County Council
- London Boroughs
 - Hammersmith & Fulham
 - Lewisham
 - Bromley
 - Bexley
 - Greenwich
 - Tower Hamlets

Case studies

Please call or download from website details of recent projects where EcoSand has been used in the construction of footpaths, car parks, hard landscaping or widening of carriageways.





The Day Group supplies natural and recycled aggregates
to the construction and civil engineering industry

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