

7.5 BST Lightweight Concrete Aggregate Loading Service

Abrams Marketing offers a loading service to premix concrete manufacturers. This service is only available in Sydney presently, but may be provided in other areas where concrete volumes justify its use.

The loading service involves the use of a trailer mounted system whereby the BST Lightweight Concrete Aggregate is blown up a standpipe and into the concrete agitator.

Site set up

The trailer mounted system is delivered by truck and assembled on site. Assembly takes about 30 minutes.



An area for the trailer and space for storing bulk bags of BST is required.

Once assembled, the BST bags are lifted by winches and located over a loading hopper in the trailer floor.



Access to a power point for a normal 30 m electrical lead is required.

Loading the agitators

The BST aggregate is blown through a standpipe and down a large diameter tube which is placed inside the agitator.



Loading times

Loading time depends on the volume of concrete for the load and the density of the concrete.

Lower density concrete requires more BST Lightweight Concrete Aggregate per cubic metre than higher densities.

A 6 m³ load of density 1,200 kg/m³ requires 4.8 m³ of BST and takes 12 minutes to load. A 6 m³ load of density 800 kg/m³ requires 5.85 m³ of BST and takes 15 minutes to load.

Cleaning up

Any small spills of BST during the operations are cleaned up using a normal garden vacuum cleaner.

On the completion of the work, wash out pits and recycled water pits cleaned out using a pool scoop to remove waste BST aggregate. All waste materials are removed and disposed of.



BST Lightweight Concrete Aggregate Loading Service

Our service involves the use of a small box trailer (approx 2m x 1.3 m) with a vertical standpipe under which the agitator is positioned. The BST Aggregate is then blown through the standpipe into the agitator.

We offer the following service -

- 1 Loading will be done by blowing BST Lightweight Concrete Aggregate through a vertical standpipe into the agitator.
- 2 Bookings will be required 24 hours in advance.
- 3 Price: Sydney Metropolitan area - \$2.50 per 200 litre bag of BST (\$12.50 per 1,000 litres). Minimum charge \$300.00 per day, or part thereof, including cancellations on the scheduled day. GST of 10% is additional to these charges. For other areas, a price will be quoted based on the size and location of the project.
- 4 Loading rate is approximately 10 - 15 mins per 5 m³ truck load of BST Concrete.
- 5 Dosage rate of BST Aggregate per m³ of concrete to be specified by the customer and our operators are to be advised of each truck load quantity.
- 6 All empty BST packaging will be taken away.
- 7 Spills from loading, if they occur, will be cleaned up and taken away.
- 8 Beads from washout pits/ recycled water pits will be scooped up and taken away provided there is ready and safe access to those areas.
- 9 No loading during high winds unless a sheltered location can be provided.
- 10 Our employees are covered by workers compensation and have their own safety equipment.
- 11 Power point for extension cord is to be available within 30 m of loading area.

We believe that this service will provide you with a clean and efficient method of loading BST Lightweight Concrete Aggregate and will remove from you the necessary arrangements for casual labour which might otherwise be required. At the end of the work, all empty packaging materials will be disposed of and any BST Lightweight Concrete Aggregate spills or in washout pits will be cleaned up and taken away.

We hope that this service will be attractive to you and will result in greater ease for you in supplying BST Lightweight to your customers.

More information

For further information on BST Lightweight Concrete and its applications contact –

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