



Customer: Boral Cement, formerly Blue Circle Southern Cement
Location: Berrima, NSW
Product: Limestone
Date: 2006
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Requirements:

Blue Circle Southern Cement contacted Aerobelt to supply conveyors for a new system to enable limestone to be introduced into the process. The new conveyors had to provide the benefits of:

- Having the capability to be loaded from a wide feeder conveyor.
- Minimise the capital cost for the supporting steelwork.
- Cater for a range of capacities depending on the limestone characteristics.
- Reduce the maintenance cost of the conveyor system.



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Technical Information

Conveyors:	4
Belt width:	400 / 650 mm
Length:	128 m
Inclination:	2° to 16°
Capacity:	10 / 150 / 231 tph
Belt speed:	1.0 m/s
Drive Power:	2.2 / 30 kW
Fan Power:	1.5 / 7.5 kW
Prod. Density:	1.2 / 1.9 t/m ³



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Solution:

Aerobelt used a 650mm Aerobelt conveyor design that did not require access walkways. Mobile plant is used for infrequent maintenance of return rollers under the conveyors.

The conveyor sections were specially manufactured to require only the use of intermittent support towers and cables. Around the plant three 400 mm wide conveyors were used to distribute the product to other areas. As at 2012 only a handful of replacement rollers have been required on these conveyors.



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