



Customer: Comalco
Location: Bell Bay, TAS
Product: Alumina Bath Slag
Date: 2003
Page: 1 of 2

Requirements:

Comalco requested Aerobelt prepare a solution for conveyors in the Alumina processing plant. They were required to carry bath slag that being recycled within the manufacturing process. The conveyor had to:

- Be able to cater for product temperatures to 135 °C.
- Minimise the capital cost of the support steelwork.



Technical Information

Conveyors:	3
Belt width:	500 mm
Length:	99 m
Inclination:	0° to 17°
Capacity:	90 tph
Belt speed:	1.6 m/s
Drive Power:	7.5 kW
Fan Power:	4 kW
Prod. Density:	1.9 t/m ³

Aerobelt Australia Pty Ltd
 Unit 5, 8-10 Technology Drive Appin
 NSW Australia 2560
 Phone: (02) 4631 2919
 Fax: (02) 4631 2915
 Email: info@aerobelt.com.au
 Web: www.aerobelt.com.au
 ABN: 80 070 635 791



Customer: Comalco
Location: Bell Bay, TAS
Product: Alumina Bath Slag
Date: 2003
Page: 2 of 2

Solution:

Aerobelt selected a 500 mm belt conveyor with a Nitrile belt to transfer product out of the plant.

At this point new material was added to the slag to enable all the material to be re-used. A third conveyor at another higher elevation filled storage silos which were used to load trucks that delivered the replenished raw material back into the plant.

The specially constructed sections used supporting locations spaced at large distances to minimize costs.



Aerobelt Australia Pty Ltd
Unit 5, 8-10 Technology Drive Appin
NSW Australia 2560
Phone: (02) 4631 2919
Fax: (02) 4631 2915
Email: info@aerobelt.com.au
Web: www.aerobelt.com.au
ABN: 80 070 635 791

