

GROUP PROFILE

Iron ore – the Sishen and Thabazimbi mines produced some 31Mtpa of lumpy and fine iron ore, of which 22Mtpa was exported. Sishen is one of the largest single open-pit mines in the world, known for its high grade and consistent product quality. The 861km rail system that links Sishen to the dedicated deepwater port and bulk-loading facility at Saldanha Bay is one of the most efficient in the world and has advanced logistical systems for handling and loading iron ore.



Coal – collectively, Grootegeluk, Leeuwpan and Tshikondeni mines produce 20Mtpa of thermal, metallurgical and coking coal, most of which (thermal) is consumed by the national power utility, Eskom. Grootegeluk is one of the lowest-cost and most efficient mining operations in the world. The mine also operates the world's largest coal beneficiation complex.

Heavy minerals – Kumba's wholly-owned subsidiary Tigor in Australia produces 111kt of synthetic rutile, 35kt of zircon and 53kt of pigment attributable to Tigor in a joint venture with Tronox Inc. The Tigor SA heavy minerals operation near Empangeni in KwaZulu-Natal uses innovative techniques in this highly-specialised industry to make Kumba one of the three largest heavy mineral producers globally. The smelter complex at Empangeni, comprising two furnaces, can produce 250kt of slag and 140kt of low-manganese pig iron per year at full production.



Base metals – the Rosh Pinah lead/zinc mine in southern Namibia and Zincor refinery in Gauteng are one of the few integrated zinc mining and refinery operations in the world. The Zincor electrolytic refinery is also one of the lowest-cost producers of zinc metal in the global market place. In addition to South Africa and Namibia, this division also has an interest in the Chifeng zinc smelter in China.

Industrial minerals – a dedicated plant in Pretoria manufactures high-quality atomised ferrosilicon which plays a strategic role in the beneficiation process of iron ore. The Glen Douglas dolomite quarry in Gauteng provides a range of products to steelworks and other consumers. The Bridgetown mine joint venture in the Western Cape produces dolomite for domestic consumption.



Note: Products pictured, from top: iron ore, coal, zircon, zinc ingots and dolomite.

	Operations	Regional location	Ownership	Products	Sales for 12 months to December 2005 '000 tonnes	% export
Iron ore	Sishen mine	Northern Cape	Division of Sishen Iron Ore Company (Pty) Limited	Lump ore Fine ore	17 608 11 149	72 84
	Thabazimbi mine	Limpopo	Division of Sishen Iron Ore Company (Pty) Limited	Lump ore Fine ore	1 198 1 331	
Coal	Grootegeluk mine	Limpopo	Division of Kumba Coal (Pty) Limited	Thermal coal (Eskom) Semi-soft coking coal Metallurgical coal	14 163 1 883 1 586	33 10
	Leeuwpans mine	Mpumalanga	Division of Kumba Coal (Pty) Limited	Metallurgical coal (other) Thermal coal (Eskom)	1 420 540	22
	Tshikondeni mine	Limpopo	Division of Kumba Coal (Pty) Limited	Coking coal	394	
Heavy minerals	Ticor South Africa	KwaZulu-Natal	Kumba Resources Limited (100%)	Zircon Rutile Ilmenite Chloride slag Sulphate slag Low manganese pig iron (LMPI)	47 18 60 150 41 79	92 100 100 100 100 100
	Ticor Pty Limited ¹	Australia	Indirect investment by Kumba Resources Limited (100%)	Zircon Rutile Ilmenite Synthetic rutile Leucoxene	36 18 13 59 14	100 100 100 100 100
Base metals	Zincor refinery	Gauteng	Division of Kumba Base Metals Limited	Zinc metal Sulphuric acid	104 139	12 5
	Rosh Pinah mine	Namibia	Subsidiary of Kumba Base Metals International (BV) (89,5%)	Zinc concentrate Lead concentrate	119 35	100 100
	Chifeng refinery ²	China	Associate (30,62%)	Zinc metal Sulphuric acid	15 8	
Industrial minerals	Glen Douglas mine	Gauteng	Subsidiary of Kumba Resources Limited	Metallurgical dolomite Aggregate Lime	691 668 22	
	Kumba FerroAlloys	Gauteng	Subsidiary of Kumba Resources Limited	Atomised ferrosilicon	6	
	Bridgetown dolomite mine joint venture	Western Cape	Unincorporated joint venture of Kumba Resources Limited	Metallurgical dolomite	172	

1. Sales tonnes disclosed reflect Ticor Pty Limited's 50% interest in the Tiwest joint venture.

2. Sales tonnes disclosed represent the effective interest in the physical information of the Chifeng (Hongye) refinery.