

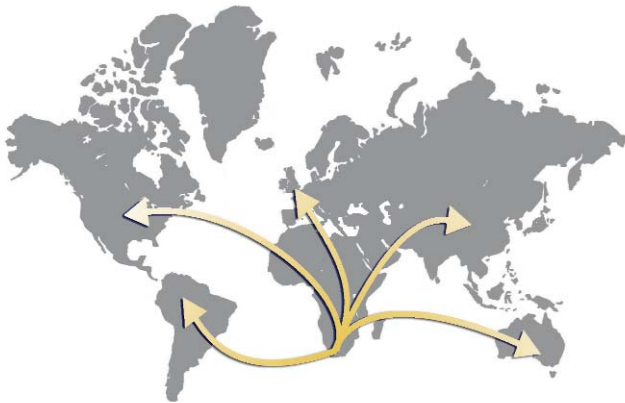
Competitive Aluminium from Southern Africa

For competitive Aluminium products look to Southern Africa – capable of consistently producing 1,35m tons of quality Aluminium products each year.

With over 500 significant Aluminium companies, the region's capability is also well served by a sophisticated infrastructure and communications network – all geared to expedite efficient trading and delivery anywhere in the world.

South Africa offers:

- A technically competent and well established world-class industry.
- Primary smelting, secondary smelting, rolling, extruding, casting, surface finishing and down stream conversion.
- Down stream industries serving all traditional Aluminium market sectors – transport, building, packaging, domestic, engineering and electrical.



The **Aluminium Federation of Southern Africa** is the gateway to, and voice of, the South African Aluminium industry.



The Purpose of AFSA is:

- To promote the use of Aluminium
- To promote the Southern African Aluminium industry, both regionally and internationally
- To promote and represent the interests of its members

AFSA'S ASSOCIATIONS

The Aluminium Fabricators Association (AFA) members operate in diverse market sectors from light to heavy engineering, transport, marine, power transmission, electricity and packaging - the heart of the down stream aluminium industry. AFA can supply design technology to the industry.



The Aluminium Casters Association (ACA) exports internationally. ACA members include three secondary smelters, 26 foundries, two forgers and nine high-pressure die casters plus suppliers to and supporters of the casting industry. Technology alliances have been forged with a variety of Institutions to ensure global capability.



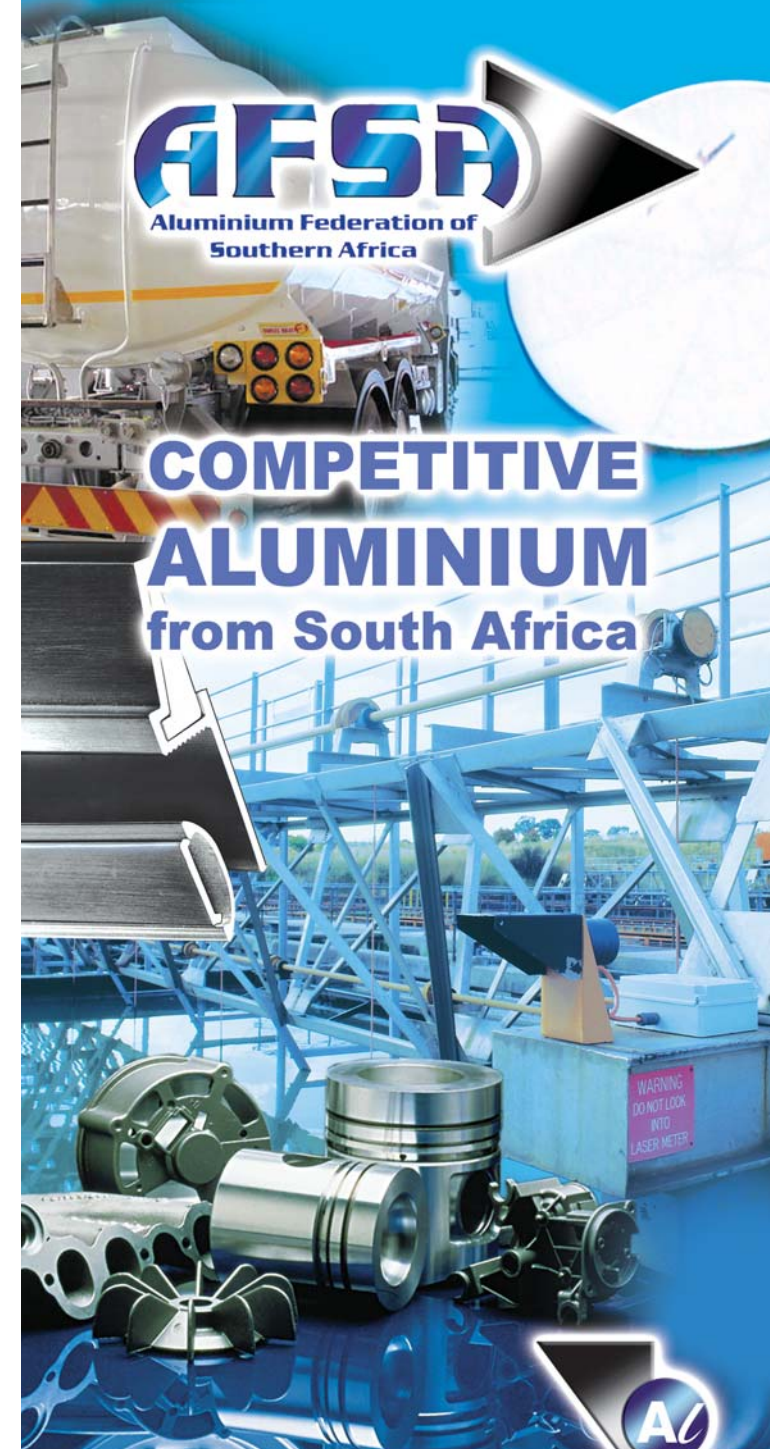
The Aluminium Surface Finishers Association (ASFA) is committed to improving the performance of the South African aluminium surface finishers industry and ensuring their own and their customers' prosperity. A vital aluminium service industry.



The Aluminium Sheet Product Association (ASPA) addresses the needs of members involved in cladding, roofing, profiled sheeting, guttering and other similar building requirements.



The **Aluminium Extruder** companies that are members of AFSA, manufacture extrusions for a wide variety of down stream markets including building and architectural, electronic goods, consumer durables, light & heavy engineering, mining, transport, marine and agriculture. Products that deliver solutions!



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ALUMINIUM
Light, Strong & Beautiful

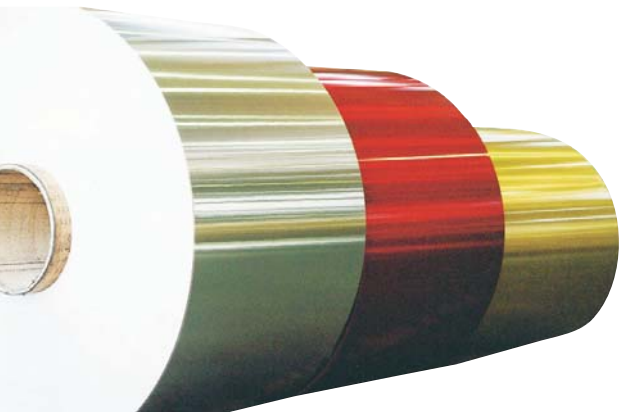


The Aluminium Industry in Southern Africa

South Africa's well established Aluminium industry supplies a varied range of globally competitive Aluminium products that are readily available. Supported by advanced infrastructure and communication networks, South Africa's Aluminium companies trade worldwide.

Aluminium rolled products, extrusions and castings have been manufactured in South Africa for over 50 years at sophisticated plants that boast the latest technology. Smelting was introduced in the 1970s and expanded in the 1990s and 2000s into an industry that exports over one million tonnes of primary aluminium world-wide.

Stringent quality control systems are applied with many of the region's 500-plus Aluminium companies certified to ISO 9000:2000 standards and relevant industry standards.



Primary Aluminium

Southern Africa boasts three modern Aluminium smelting plants. Billiton's Hillside Aluminium and Bayside Aluminium plants and Mozal together produce over one million tonnes of primary aluminium each year. This capacity satisfies regional market requirements with the balance being exported throughout the world via the major sea ports of Richards Bay in South Africa and Maputo in Moçambique.

Secondary Aluminium

South Africa's technologically advanced Aluminium recycling industry recovers some 50 000 tonnes of metal each year, ensuring that large quantities of Aluminium finds its way back into the manufacturing and especially downstream casting processes.

Besides obvious benefits for the South African environment, this is a cost effective method of returning Aluminium for downstream beneficiation. Appropriate metallurgical control is maintained throughout the process to ensure correct and relevant quality secondary material. Zimalco exports considerable quantities of secondary alloy world-wide.



Semi-fabrication

Taking advantage of the locally produced primary Aluminium, South Africa's Aluminium industry produces semi-fabricated products to exacting standards. A wide range of products includes plate, sheet, extrusions, tubes, rod, coiled strip, circles and a wide range of aluminium foils.

Manufacturing takes place in modern, sophisticated factories typified by Hulett Aluminium's new hot rolling mill located in Pietermaritzburg. Quality control is a critical issue with manufacturing facilities conforming to ISO 9000:2000 standards.

Fabrication / Casting / Surface Finishing

The downstream Aluminium industry comprises a diverse variety of manufacturers that create a wide assortment of finished products. This range extends from designer sanitary goods to massive dry bulk containers.

The 500-plus manufacturers in South Africa's downstream industry supply to local and international automotive, building and construction, packaging, electrical, water treatment, transport, engineering and mining market sectors.

