



ALMATIS

PREMIUM ALUMINA

THE PREMIUM ALUMINA COMPANY

Think alumina, think Almatris.

The Almatix mission is to be the world's leading supplier of premium alumina for the refractory, ceramic and polishing industries.



To grow our business, we are all committed to:

CUSTOMER FOCUS

- supporting and enhancing our customers' business with quality products, excellent local service and technical support

ALUMINA EXPERTISE

- global world class operations and continuous development of innovative solutions and application know-how

GLOBAL FOOTPRINT

- offering a complete product portfolio closer to our customers

RELIABILITY

- supplying premium alumina products, anywhere, every time, on time

SOCIAL RESPONSIBILITY

- investing in our people, providing a safe workplace and protecting the environment



Welcome to The Premium Alumina Company!

With more than 100 years of expertise, Almatris is the world's leader in the development, manufacture and supply of premium alumina materials.

1150 Almatris employees work in our production, commercial and R&D facilities in the United States, Brazil, the Netherlands, Germany, India, China and Japan. As a team, they support the sale of our products from 16 locations around the world.

Our global network gives us an excellent understanding of local market dynamics and enables us to work closely with all of our customers. We learn and grow together in partnership.





Setting the benchmark in specialty alumina products

We strive to enhance our customers' business and create real value for them.

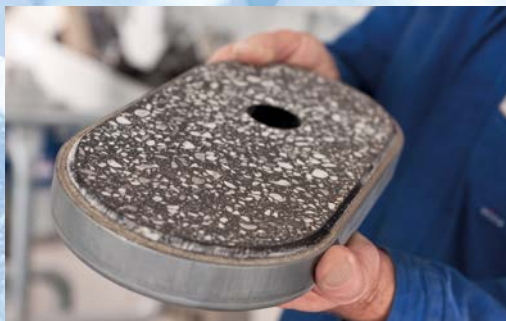
Almatis has the most comprehensive specialty alumina product lines.

Nine production locations and a fully integrated alumina refinery guarantee manufacturing excellence and highest quality across the entire product range.

A global team of customer service and supply chain experts know our customers and passionately cater to their needs.

A worldwide network of experienced technical sales specialists are supported by Almatis' unrivaled expertise, built through ten decades of alumina research and investment.

Our in-depth knowledge of customers' applications and clear understanding of the latest technology trends are key enablers for meeting our customers' needs and driving product innovation.



Refractories: Heat and wear resistance

Refractories are formulated for the conditions they will face in service. This includes a wide variety of applications in the production of steel, cement, petrochemicals, non-ferrous metal and glass.

The Almatís range of premium aluminas are designed for use in advanced refractories such as functional ceramics, monolithics, bricks and insulating materials.

From sintered alumina aggregates to matrix components, like cement and additives, Almatís products ensure the design of higher performance refractories where heat tolerance, creep resistance and corrosion resistance are of crucial importance.



Ceramics: Mechanical strength, wear and electrical resistance

Almatís' product portfolio is designed to meet the diverse needs of the ceramics industry. With key application areas ranging from glass, wear-resistant ceramics, environmental ceramics and electrical insulators to advanced ceramic components.

The calcined alumina portfolio contains unground and ground products, and low soda and high purity thermally reactive aluminas for the most stringent applications. Highly consistent properties, ensuring efficient, defect-free ceramics manufacturing are key to our customers' products.

A dedicated range of specialized tabular alumina fractions and compositions for the investment casting, roller and metal filtration markets is available.



Polishing: Cut and shine

Almatís alumina powders for polishing applications are made to the tightest quality specifications and are used for lapping and polishing in a variety of applications, including metal polishing, car cleaners, stone polishes, brake linings, vibro-finishing, household cleaners and toothpaste.





Accurately controlled purity levels and particle size distributions ensure the consistency necessary to achieve optimum lapping and polishing results.



Generating product solutions across diverse industries

Almatis offers the most comprehensive alumina-based product portfolio to our customers worldwide. Across our core markets in refractories, ceramics and polishing we deliver one-stop shopping, always expanding our portfolio to meet customer and market requirements with:

- Tabular alumina
- BSA 96
- Alumina and Magnesia rich spinels
- Calcium hexa-aluminate aggregates
- Calcium aluminate cement
- Dispersing alumina
- Calcined alumina
- Reactive alumina
- Polishing alumina
- Alumina hydrates

-  Sales Office
-  Application Lab
-  Plant
-  Refinery

Almatis Burnside, Inc.,
Burnside,
Louisiana, USA



Almatis Inc.,
Bauxite, Arkansas



Almatis Inc.,
Dalton, Georgia



Almatis Inc.,
Leetsdale & Neville, Pennsylvania



Campinas

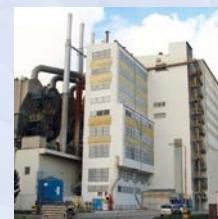
Rotterdam

Frankfurt

Ludwigshafen

Kolkata
Falta

Almatis B.V.,
Rotterdam,
The Netherlands



Almatis GmbH,
Ludwigshafen,
Germany



Global and secure supply: wherever and whenever it is needed

Huangdao
Shanghai
Iwakuni
Tokyo

Almatiss Alumina,
Private Ltd.,
Falga, India

Qingdao Almatiss
Co. Ltd.,
Huangdao, China

Almatiss Limited,
Iwakuni, Japan



Operational excellence:

Premium aluminas by Almatiss perform consistently – anywhere, every time, on time. Committed to premium quality and service, we continually optimize our manufacturing processes. We use state-of-the-art business tools such as Six Sigma and the Almatiss Business System (ABS), which we developed and refined specifically to improve our response to customer needs.

The Almatiss Business System:

The Almatiss Business System is based on the principals of the Toyota Production system. With ABS we continuously optimize our production resources for maximizing throughput and increasing our reliability.

Its principles are:

- **Make to use**, not for inventory.
- **Eliminate** all non-value adding activities or **waste**.
- **People** linchpin the system.

Strategically located manufacturing:

Our production facilities span the globe. This network, together with our excellent supply chain management, ensures secure, global supply and short lead times.

Premium alumina – anywhere, every time, on time

Almatis is driven by our people. With more than 100 years at the forefront of the alumina industry, we have developed the most extensive expertise in the industry, both along the value chain and across applications. We work with our customers to help them achieve their goals, bringing our strong commitment to:

CUSTOMER FOCUS – ALUMINA EXPERTISE – GLOBAL FOOTPRINT – RELIABILITY – SOCIAL RESPONSIBILITY



Enhancing our customers' business by supporting their growth

Customers' needs are at the center of everything we do. We invest in future-oriented, long-term customer relationships, making sure that we understand their business and their requirements.

- We team with our customers to find optimum solutions for challenging product and business needs.
- All our energy is directed toward customer satisfaction, from responding to orders and inquiries, production and shipping, to understanding customer needs and developing new products.
- Almatris provides its customers with tailor-made technical support to help them optimize formulations and resolve application problems.
- Our Customer Satisfaction process drives us to be a better supplier through continuous business improvement.



Shaping the future of alumina



Innovation is the engine of growth. The company's leading position in the industry is distinguished by ten decades of research and development in commercializing new uses of alumina as well as continued investments in process and product innovations. Combining technical knowledge, continuous improvement and our passion for alumina is our strength.

- New product developments provide our customers the opportunity to further upgrade their own portfolio to stay ahead of their competition.
- Almatix drives innovation in every aspect of our business, from products to services to processes.
- Our extensive alumina expertise is openly shared with customers. They can count on our support in working together to bring forth the best solutions.

Customers can rely on us, regardless of where they are located

Plan globally and implement locally – that is our core strategy. Being closer to our customers, we gain much insight from local market dynamics. As a result, we understand and better anticipate their needs.

- All products are either tailor-made or produced in accordance with our global specifications.
- Global quality standards are rigorously applied in all our locations around the world.
- Best practices are shared with our partners and customers around the globe.
- As a global market leader, we have the production facilities, the technical know-how and the logistical expertise to service our customers quickly – wherever they are located.



Bringing quality and consistency to our customers in everything we do



Relentless pursuit of quality, matched with the experience and expertise of our workforce, enables us to offer high-performance products with a long service life, as well as leading-edge technical support and manufacturing excellence.

- Quality is key to every aspect of our business and each Almatris employee takes responsibility for it.
- We deliver premium products with an optimized cost/performance balance and high consistency.
- Our processes are geared towards fulfilling our production and delivery promises anywhere, every time, on time.
- All Almatris manufacturing facilities comply with corresponding laws, regulations, and other requirements, including ISO 9001, ISO 14001, and OHSAS 18001 to ensure high and consistent quality, while protecting the environment as well as our employees and contractors.

Building a better future for generations to come

Almatis operates globally in a safe and responsible manner that respects the diversity, health and well-being of our employees, contractors, customers and the communities around us.

- People are the cornerstone of our success.
- Through innovation and teamwork our employees pursue continuous improvement and strive to be at the leading edge of the industry.
- We have established our own global standards for critical environmental, health and safety issues.
- In our daily work we actively seek ways to implement environmentally sustainable practices to reduce emissions, conserve natural resources and eliminate waste, winning green supplier awards from customers.
- As a global market leader, we have the production facilities, the technical knowhow and the expertise to service our customers quickly – wherever they are located.
- We anticipate and minimize potential risk to protect our employees, ensure reliable operations and satisfy our customers.



1910 East St. Louis

1st Calcined alumina production for abrasives, Illinois, USA

1918 Pittsburgh

Established 1st R&D organization in Pennsylvania, USA

1952 Bauxite

1st specialty alumina plant in Arkansas, USA

1980 Rotterdam

New Cement plant in the Netherlands is opened

1993 Ludwigshafen

Expanded Tabular alumina capacity in Germany

1982 Ludwigshafen

Purchase of Calcined alumina plant in Germany

1968 Rotterdam

Global expansion with Tabular alumina plant in the Netherlands

1995 Falta

Formed Tabular alumina processing JV in India

1975 Iwakuni

New Tabular alumina plant in Japan opened

1996 Leetsdale

Started Calcined & Tabular alumina plant, Pennsylvania, USA

1998 Huangdao

New Tabular processing and Calcined grinding plant in China

1910

1920

1930

1940

1950

1960

1970

1980

1990

2000

2004 Almatís

Acquisition of the specialty alumina business by Rhone, renamed as Almatís

2006 Huangdao

Tabular alumina capacity expansion in China

2006 Neville

Purchased Calcined alumina grinding center in Pennsylvania, USA

2007 Falta

Gained 100% ownership of Indian subsidiary

2007

Acquisition by Dubai International Capital

2012 Brazil

Establishment of Almatís in Brazil

2012 Huangdao

New Calcined alumina plant in China

2013 Burnside

Acquisition of an Alumina refinery in Louisiana, USA

More than 100 years of alumina expertise

Almatís is the global leader in premium alumina products. Founded in 1910, the company was previously known as the chemical business of Alcoa. A century later, Almatís sets the benchmark for the global and secure supply of environmentally friendly, premium alumina products and services. Almatís operates as an independent specialty alumina company since 2004.

2010

2015

THE ALMATIS WORLD – CLOSER TO THE CUSTOMER

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