



SUSTAINABLE MINERALS FOR THE

# **ABRASIVES MARKET**

**RELIABLE  
MINERALS,  
SHAPING  
YOUR WORLD.**

# **INNOVATIVE, SUSTAINABLE AND RELIABLE SOLUTIONS, SHAPING YOUR WORLD!**

The constant technological progress of our time requires advanced technological solutions to shape workpieces and materials more efficiently and to reach finer surface qualities. Our minerals play a key role in the evolution of surface preparation and quality.

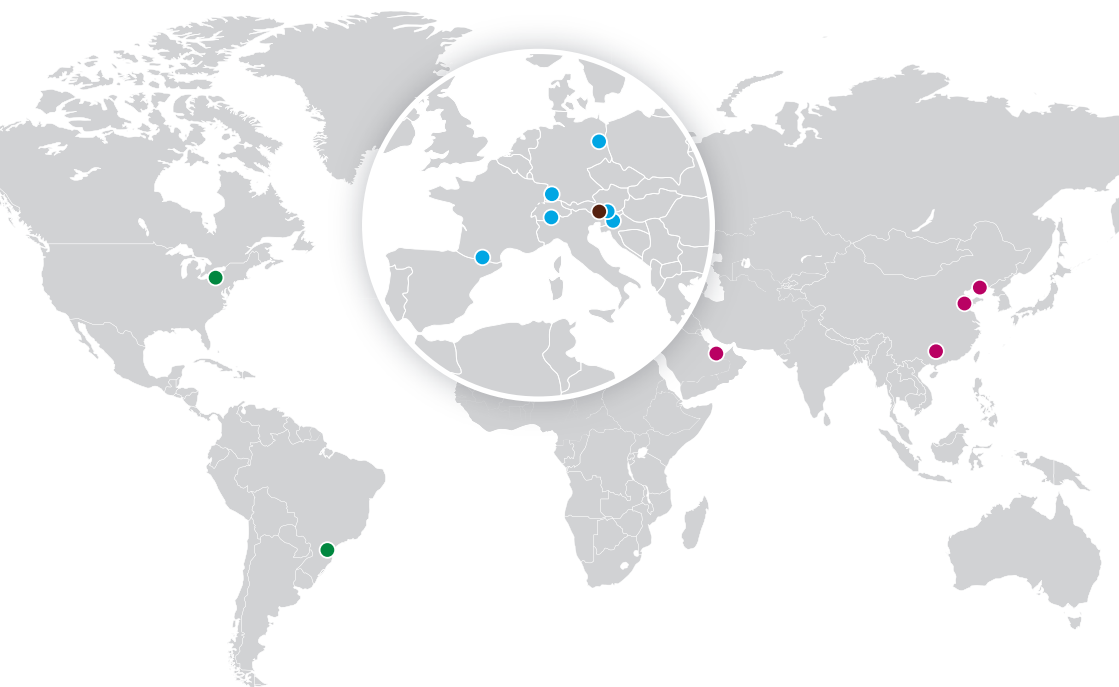
We help our customers to create joint value by using our material processing knowledge, our focus on innovation and unrivalled market coverage. Our global industrial footprint and asset-flexibility facilitates local raw material supply and short transport ways for our customers.

Sustainable development is essential to the Group's long-term strategy to support growth and meet the expectations of our stakeholders by promoting social responsibility, environmental stewardship, corporate governance and business ethics.



# CLOSE TO YOU, WHEREVER YOU ARE

Our global footprint for Fused Aluminum Oxide materials



## ● AMERICA

- Niagara Falls
- Salto

## ● EUROPE

- Villach
- Laufenburg
- Zschornowitz
- Beyrède
- Domodossola
- Ruše

## ● ASIA & MIDDLE EAST

- Yingkou
- Zibo
- Guizhou
- Bahrain

## ● RESEARCH & DEVELOPMENT

- Villach / Imerys Technology Center (ITC)

## OUR EXPERTISE

Imerys is the world's largest producer of fused aluminum oxide based products, known under our trusted brand: ALODUR®. We provide the right high-performance solutions for vitrified, resin-**bonded** and **coated** abrasives for all grinding, machining, cutting and **blasting** applications.

Thanks to their superior hardness, sharpness and thermal properties, our abrasives are widely used in various forms in the **automotive, machinery, metal fabrication, electrical** and **electronics, building and construction** industries. Our Science & Technology activities are primarily supported by the Imerys Technology Centre (ITC) based in Villach (Austria). The 4000 m<sup>2</sup> facility is dedicated to the processing, testing & analyzing of various topics including arc furnace technologies and chemical processes on our products such as Sol-Gel.





# THE RIGHT MATERIALS FOR ANY ABRASIVE APPLICATION

Whether you are looking to polish, sand, smoothen, grind, or even cut a workpiece, you want to be sure that the material used, its hardness and grain size are right for the job at hand. Benefit from our high-performance macro and micro-sized solutions to cover your various abrasives needs.

## A wide range of purpose-designed products applications

1. **Bonded abrasives:** for grinding & cutting operations.
  - Hardness & toughness, Thermal and chemical stability.
2. **Coated abrasives:** for grinding & sanding operations.
  - Hardness, Sharp edges, Different grain shapes, Mechanical strength.
3. **Blasting media:** for blasting operations.
  - Toughness, Durability, Longevity.



**BONDED ABRASIVES**



**COATED ABRASIVES**

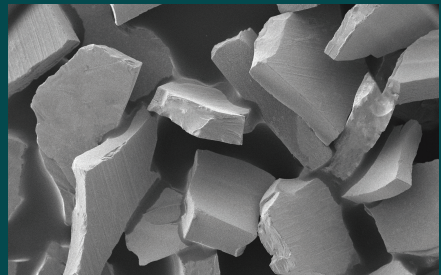
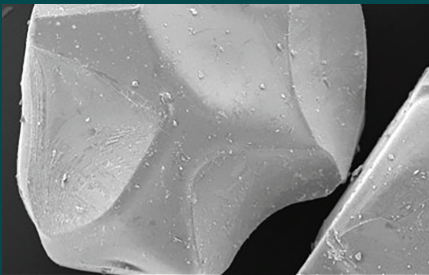
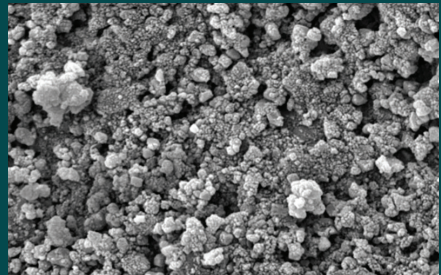
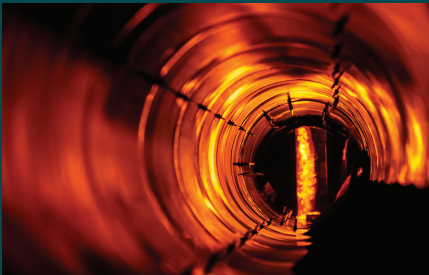


**BLASTING MEDIA**

# RELY ON AN EXPERT

Thanks to our advanced engineering expertise and unique know-how, we are able to use various technologies for the production of our reliable shaped abrasive materials, including:

- Fusion process for various chemistries and crystal control
- Sintering technologies
- Crushing & Milling technologies for various grain shapes
- Sieving technology for macro grits
- Wet-Classification for micro grits
- Air-Classification for micro grits
- Calcination and High Temperature treatment technologies
- Ceramic coatings
- Iron-free ceramic coatings
- Silane treatments
- Acid treatments
- Flowability treatments
- Treatments for improved pick-up in the electrostatic field



# ALODUR®, YOUR TRUSTED LEADING BRAND FOR FUSED ALUMINAS

Based on their very high hardness, their excellent thermal & chemical stability as well as a high degree of thermal shock resistance, fused aluminium oxide grits are mainly used as abrasive particles in grinding, machining, blasting and cutting operations.

Under our **ALODUR®** brand, we are able to supply a wide range of reliable and quality fused aluminium oxide based products to meet your specific needs.

	Bonded Abrasives	Coated Abrasives	Blasting
Brown Fused Alumina	✓	✓	✓
Semifriable Fused Alumina	✓	✓	✓
White Fused Alumina	✓	✓	✓
Pink Fused Fused Alumina	✓	✓	✓
Special Pink Fused Alumina	✓		
Ruby Fused Alumina	✓		
Fused Alumina Bubbles	✓		
Monocrystalline Fused Alumina	✓	✓	
Polycrystalline Fused Alumina	✓		
Silicon Carbide	✓	✓	✓
Carbon Alloyed Fused Alumina	✓	✓	
Fused Alumina Zirconia 25%	✓		✓
Fused Alumina Zirconia 40%	✓	✓	
Sintered Bauxite Rods	✓		
Sintered Alumina Rods	✓		
Sol-Gel	✓	✓	
Shaped Sol-Gel	✓	✓	



## THE WORLD'S LEADING PROVIDER OF MINERAL-BASED SPECIALTIES FOR INDUSTRY

Imerys offers high value-added solutions to many different industries, ranging from process manufacturing to consumer goods.

- We provide innovative and quality products to fit with our customers' needs
- We consider Safety as a priority
- We respect the world in which we operate



**Over 15,000  
customers**



**Sales in 133  
countries**



**14,000  
employees**

### **At Imerys, we fulfill our role in society in a responsible way.**

The technical expertise and innovative mindset of our people enable us to extract and transform minerals responsibly and in a sustainable way over the long term.

**For further information, please contact :**

[abrasives-contact@imerys.com](mailto:abrasives-contact@imerys.com)



Visit our  
new website  
[www.imerys.com](http://www.imerys.com)



Follow us  
on LinkedIn