IMERYS GRAPHITE & CARBON
COMPANY PROFILE

TIMREX®
TIMCAL Graphite
TIMREX®
TIMCAL Coke
TIMREX®
TIMCAL Dispersion

C-NERGY™
TIMCAL Carbon Black
C-NERGY™
TIMCAL Graphite
SUPER P®
TIMCAL Carbon Black

ENSACO®
TIMCAL Carbon Black
TIMROC®
TIMCAL Silicon Carbide

imerys-graphite-and-carbon.com
Imerys Graphite & Carbon

WHO ARE WE?
Imerys Graphite & Carbon has a strong tradition and history in carbon manufacturing. Its first manufacturing operation was founded in 1908. Today, Imerys Graphite & Carbon facilities produce and market a large variety of synthetic and natural graphite powders, conductive carbon blacks and water-based dispersions of consistent high quality.

Quality is a serious matter for Imerys Graphite & Carbon. Adhering to a philosophy of Total Quality Management and continuous process improvement, all Imerys Graphite & Carbon manufacturing plants comply with ISO 9001:2008. Our quality control systems are designed to improve efficiency and ensure customer satisfaction. Our structure guarantees a continuous control of operations as well as the monitoring of all process parameters.

INNOVATION
«Innovations to power everyday life» is our aspirational vision. Innovation is an integral part of Imerys Graphite & Carbon’s strategy and a key element of the company’s internal growth. Imerys Graphite & Carbon invests significant resources in R&D with 30 researchers and two R&D centers to develop solutions tailored to each customer with the objective to meet its expectations and anticipate its needs. Each year, Imerys Graphite & Carbon introduces new products on the market. In addition to «continuity» innovations, resulting from improvements to the existing range, «disruptive» innovations are based on the development of new concepts.

WHERE ARE WE LOCATED?
With headquarters located in Switzerland, Imerys Graphite & Carbon has an international presence with production facilities and commercial offices located in key markets around the globe. The Group’s industrial and commercial activities are managed by an experienced multinational team of around 500 employees from many countries on four continents.

SUSTAINABLE DEVELOPMENT AND SOCIAL POLICIES
Imerys Graphite & Carbon is committed to Imerys’ Sustainable Development Charter, where high standards in terms of social and environmental behaviour are essential in the management of its activities. Imerys Graphite & Carbon recognizes its role and responsibility as a corporate citizen, and as such is concerned with the protection of the environment for present and future generations. Imerys Graphite & Carbon complies with all applicable laws and regulations in all countries where it is present. Imerys Graphite & Carbon has a core value to protect the health & safety of its employees and offers a safe working environment at all locations.
WHAT DO WE OFFER?

«Providing customer-related solutions»

Imerys Graphite & Carbon produces a variety of synthetic and natural graphite powders, conductive carbon blacks, calcined petroleum cokes, aqueous dispersions and silicon carbide with a common keyword, consistency. They are manufactured under stringent process control conditions from the raw material stage through the end product.

Additionally, our team of Marketing and R&D specialists cooperates very closely with customers and research institutes to provide the very best advice and assists clients with today and tomorrow’s solutions.

For further information, feel free to contact us, or visit our website: www.imerys-graphite-and-carbon.com

WHAT ARE OUR PRODUCTS?

- **Primary synthetic graphite powders**
  - Isotropic & anisotropic
  - Coarse, medium, fine, ultra fine
  - High & very high purity

- **Natural flake graphite powders**
  - Flake
  - Purified
  - Expanded
  - High crystallinity
  - Coarse, medium, fine, ultra fine
  - High purity

- **Conductive carbon blacks**
  - Granulated
  - Powder

- **Water-based dispersions**
  - Coke powders
    - Coarse, medium, fine

- **Silicon carbide**

TIMREX® AND C-NERGY™ PRIMARY SYNTHETIC GRAPHITE POWDERS

Primary synthetic graphite is produced by a unique highly controlled graphitization process. By a careful adjustment of the key process parameters a wide range of synthetic grades, meeting the different customers’ requirements, can be manufactured. The Imerys Graphite & Carbon process assures narrow specifications and unequalled consistent quality, thanks to the monitoring of all processing stages.

TIMREX® NATURAL FLAKE GRAPHITE POWDERS

Imerys Graphite & Carbon mines graphite from its own source in Lac-des-Îles, Canada and in Otjiwarongo, Namibia as well as from selected mines around the world. Further processing for high value-added products is done in our processing plants in Terrebonne (Canada) and Bodio (Switzerland). All TIMREX® natural graphite powders are thoroughly controlled in our laboratories to ensure quality, consistency and total customer satisfaction.

ENSACO®, C-NERGY™ AND SUPER P® CONDUCTIVE CARBON BLACKS

The Imerys Graphite & Carbon carbon black process was developed in 1980 and has been commercially exploited since 1982. The process is based on partial oil oxidation of carbochemical and petrochemical raw materials. The major difference with other partial combustion carbon blacks technologies lies in the aerodynamic and thermodynamic conditions.

This leads to a material with almost no sieve residue on the 325 mesh sieve and allows the highest possible purity. The granulation process has been developed to achieve a homogeneously consistent product maintaining an outstanding dispersibility, characterised by very low crushing strength that guarantees the absence of larger and harder agglomerates. The process enables the production of «low surface area conductive carbon blacks» and «very high surface area conductive carbon blacks».

TIMREX® WATER-BASED DISPERSIONS

Dispersions are solvent-free, aqueous dispersions containing carbon powders. Each member of this family is tailor-made for a specific final application in the most diverse branches of industry, like electrically conductive coatings, release agents and corrosion protection.

TIMREX® COKE POWDERS

Imerys Graphite & Carbon provide calcined petroleum coke with well defined texture and consistent particle size distribution from selected and approved sources.

TIMROC® SILICON CARBIDE

Silicon carbide is one of the hardest existing materials and is characterized by a high resistance to temperature fluctuations. TIMROC® silicon carbide is used in abrasives, refractories, metallurgy and slip-resistant floorings.
Our markets

WHERE ARE OUR PRODUCTS USED?

Imerys Graphite & Carbon is committed to produce and market highly specialized, environmentally friendly carbon-based materials for a variety of industrial fields such as Mobile Energy, Engineering Materials, Polymers and Refractories & Metallurgy.

WHERE ARE OUR PRODUCTS USED?

Our products are found in:

- lithium-ion batteries
- alkaline batteries
- zinc-carbon batteries
- fuel cells
- supercapacitors
- lead acid batteries
- powder metallurgy & hard metals
- friction materials
- carbon brushes
- graphite foils
- pencils
- powders for industrial lubricants
- catalysts
- synthetic diamonds
- electrically & thermally conductive plastics
- conductive rubbers
- power cables
- self lubricating polymers
- filled PTFE
- conductive coatings
- flow control refractories
- crucibles
- magnesia carbon bricks
- molten metal toppings

BRANDS AND MARKETS

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