



Delivering your Potential Through Elkem's Proven Standard for Safe, Stable and Efficient Operations

We are committed to provide our customers with the best carbon products and support, that will contribute to increased productivity and safe operations.

We are Proud of our History

Our heritage is based on the early work done by Elkem engineer Carl Wilhelm Söderberg and his team, who patented the concept of the self-baking electrode in 1919. Globally, more than 600 furnaces were engineered and built by Elkem. We know the paste requirements that create the basis for safe and efficient electrode operations.



Elkem Carbon has a long lasting presence as an important partner for industries worldwide

We are a responsible company that deliver safe, stable and efficient solutions for customers in all world markets. We are committed to our customers in order to realise their potential and enhance their value.

Let us support your electrode operations!

Elkem Carbon has developed a variety of electrode paste qualities for use in the different smelting processes, tailor-made for the unique demands of each process.

We are working closely with our customers to support and optimise their electrode operations through:

- Electrode management audits
- Seminars and training workshops
- Casing design evaluations
- Shut down and start-up procedures
- Mathematical modelling of temperature and thermal stress profiles



Elkem Carbon creates high quality products the industry needs

We aim to be an industry leader, and are constantly developing our products in order to be best suited for our partners and customers. Our products represents the Elkem standard, tested and used in all Elkem smelters globally.

Products for the Ferroalloy Industry



ELSEP® Söderberg electrode paste

Elkem Carbon is a world leading supplier of Söderberg electrode paste and operational know-how. Building on this long tradition of technological advancement, it is therefore with integrity and professional pride we claim that Elkem has defined the standard for electrode paste performance and for optimal electrode operation.

ELTAP® repair pastes for tap holes and tapping launders

Repair and maintenance of tapholes, tapping launders and ladles are demanding, time-consuming and often dirty operations. Our taphole and tapping launder repair pastes are designed to extend the lifetime of tapholes through high resistance against wear and oxidation. Elkem is continuously improving the its ELTAP® product range to ensure high safety and improved health standards are maintained, as well as minimising the impact on the environment by using our products. Elkem is now developing a new range of zero harm products for an improved working environment.

ELMON® monolithic furnace lining solutions

Elkem ELMON® products have proven performance as linings in furnaces producing silicon, ferrosilicon and silicomanganese, and as repair pastes to furnaces producing ferrochrome and ferromanganese. The ELMON® product range contributes to furnace linings that can last for up to 20 years. In addition, these linings will contribute to stable furnace operation, as well as sustain an increased load on small silicon furnaces.



Elkem Carbon delivers safe, stable and efficient solutions for customers in all world markets. Our highly skilled technical experts are committed to support our customers in order to realise their potential and enhance their value.



- Production site
- HQ

Elkem Carbon is a world leading supplier of carbon paste and specialty products to the ferroalloys, silicon and aluminum industry. We are a true global player with operations facilities located near all major markets, with operations in Norway, South Africa, Brazil, China and Malaysia complemented by a global sales network.