EPSTRODE™

High-Performance Coal Tar Pitch

Coal Tar Pitch is produced through the distillation of coal tar which serves as a binder material in the manufacturing of carbon anodes and graphite electrodes. Known for its excellent thermal stability, mechanical strength, and binding properties, Coal Tar Pitch plays a vital role in production of aluminium, steel industries.

EPSTRODE is a premium-grade Coal Tar Pitch, formulated to meet specific requirements of industries like aluminium, steel, paints, pigments, synthetic graphite, carbon fiber and more. Produced through a controlled distillation process of high-quality coal tar, **EPSTRODE** delivers exceptional binding strength, thermal stability, and carbon content to enable superior performance in high-temperature industrial applications.

EPSTRODE - AB

Aluminium Binder Pitch

EPSTRODE - AB is the binder pitch specially distilled for Aluminium industry with properties well suited to produce high-quality anode made through the pre-baked and soderberg process for Aluminium smelting. **EPSTRODE - AB** is available in both solid and liquid forms based on the customized requirements of the aluminium refinery.

Applications: Binder for aluminum refinery electrodes.

Softening point (°C)	QI (%)	TI (%)	Coking Value (%)
112-115	8-10	28-32	≥55

EPSTRODE - SB

Graphite Binder Pitch

EPSTRODE – SB is a binder pitch which helps to manufacture long-lasting and high-performing graphite electrodes used in electric arc furnaces for steel manufacturing to optimize electricity consumption and better yield. **EPSTRODE – SB** is available in both solid and liquid forms based on the customized requirements of synthetic graphite manufacturer.

Applications: Graphite electrodes for electric arc furnaces used in steel industries.

Softening point (°C)	QI (%)	TI (%)	FC (%)
87-110	8-10	7-13	≥55

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EPSTRODE - IP

Low QI / Impregnation Pitch

EPSTRODE – IP is used to impregnate graphite electrodes and carbon products to increase its density, electrical conductivity, and corrosion resistance. These properties are used as a precursor for mesophase pitch for manufacturing carbon fibers, graphite and advanced materials

Applications: Graphic electrodes

Softening point (°C)	QI (%)	TI (%)	FC (%)
95	<3.0	20	≥40

EPSTRODE - SP

Special Pitch

EPSTRODE – SP is a specially formulated pitch designed to meet customer-specific requirements. It is used across a wide range of industries and can be further customized to enhance performance characteristics. Leveraging Epsilon Carbon's flexible manufacturing capabilities, we deliver tailor-made pitch solutions that address the unique needs of different industries and customers.

Why Choose EPSTRODE™

- 100% backward-integrated manufacturing process ensuring quality and consistency
- Robust logistics and supply chain for reliable, on-time delivery
- In-house R&D and testing labs for continuous innovation and compliance
- A "Responsible Care" manufacturing plant for environmental sustainability and operational safety

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