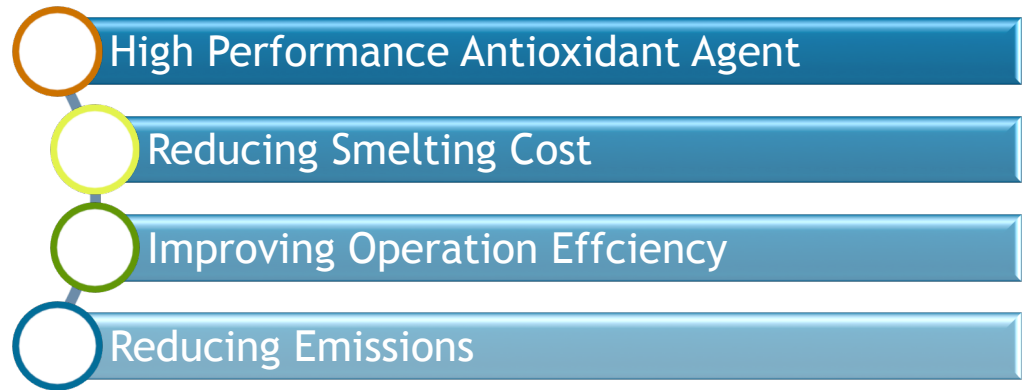


CCPM-01

Impregnation-Type Antioxidant Protective Agent For Graphite Electrode

CCPM-01



Patented Technology

Utilizes advanced Nano Ceramic Membrane Technology.

Newest functional Nano Ceramic Powder and Whisker Fiber to produce Nano Ceramic protecting membrane products

Environment friendly, containing no VOC.

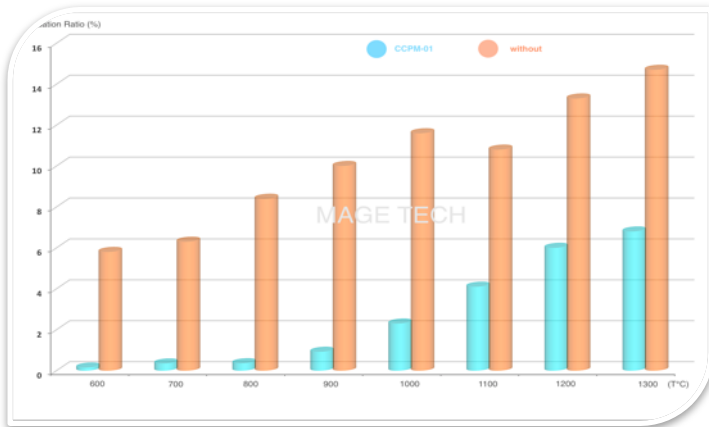
With excellent wettability and low viscosity of the graphite materials, it can be impregnated into the micro holes of the graphite. After drying the graphite, an anti-oxidation ceramic film will be formed in the graphite surfaces with less than 20 μ m thickness.

Used for graphite electrode and graphite crucible in the high temperature furnace

CCPM-01 Physical & Chemical Properties

Chief Component	• SiO ₂ , Al ₂ O ₃ , ZrO ₂ , TiO ₂ , P ₂ O ₅ etc.
Color	• Translucent colorless
Particle Diameter	• <0.05 μ m
Viscosity	• 2-8 mPa·s (25° C)
Surface Tension	• 78-93 mN·m ⁻¹ (25° C)
pH	• < 4
Stability	• 36 Months (0-40° C)
Specific Gravity	• 1.20-1.25 (25° C)
Executive Standard	• Q/MJTC 01-2011

CCPM-01 Effects



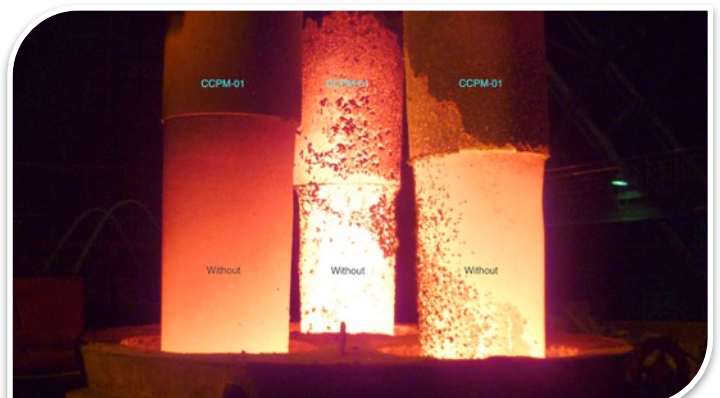
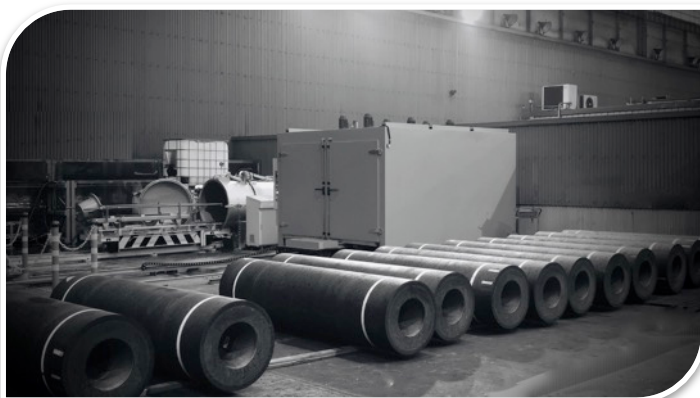
1. Reduce the consumption of the graphite electrode for Electric Arc Furnace by more than 10%, Ladle Furnace by more than 15%.

2. Improve the bending strength of the electrode about 40% at high temperatures, and reduce the accidents in production caused by the fracture of the electrode.

3. Save electricity consumption of per ton by more than 1%

4. Reduce occurrence of re-carburization, which might be caused by falling and blowing out on the end of the graphite electrodes, in the molten steel by accident

5. Reduce electrodes connection and labor intensity



FOCUS on clients' concerns, reducing energy consumption and improving the environment.

 No. 11, Shuangcheng Road, Baoshan, Shanghai, China. 200940

No. 3088, Century Avenue, Jiashan, Zhejiang, China. 314100

 +86 21 61736980

 intl@magcst.com

www.magcst.com