

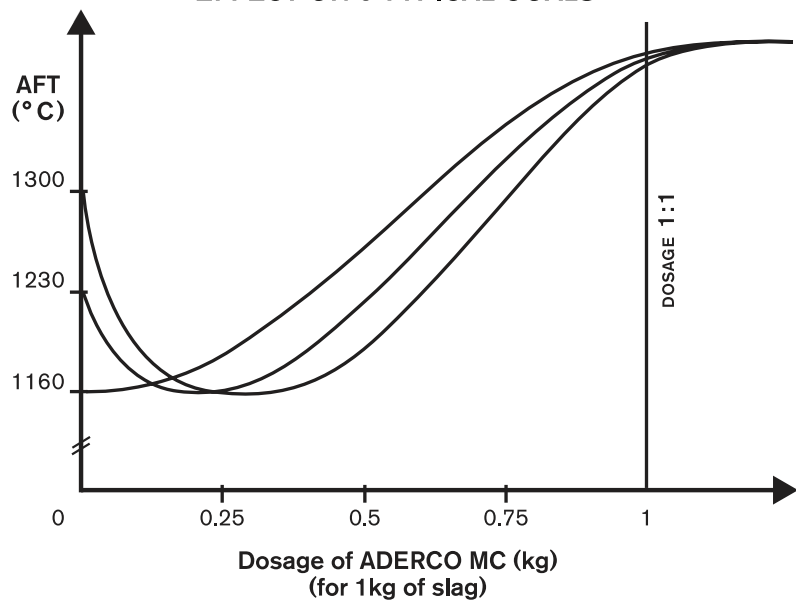
ADERCO MC / ADDITIVE FOR COAL



ADERCO MC is a proprietary highly reactive magnesium oxide powder (MgO) used in coal fired boilers to raise the fusion temperature of coal ashes. **ADERCO MC** can solve problems linked with coal combustion such as slagging, fouling and corrosion. Instead of melting, the deposits stay solid and become flakier, they are more easily removed by the soot blower and less maintenance is needed to keep the operation clean.

ADERCO MC effectively extends the time between overhauls, while providing greater boiler availability.

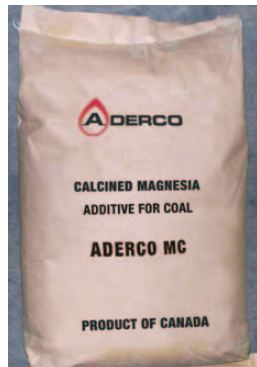
ADERCO MC VS ASH FUSION TEMPERATURE
EFFECT ON 3 TYPICAL COALS



ADERCO MC



ADERCO MC (1 ton bag)



ADERCO MC (23 kg bag)

ADERCO MC advantages

- Raise the fusion temperatures of coal ashes
- Effectively controls slagging, fouling and corrosion in coal fired boilers
- Deposits become dry and flakier, they are easier to remove with the soot blower
- Maximise efficiency by maximising heat transfer
- Maintenance workload is reduced
- Help prevent pressure build-up inside the boiler

Injection method

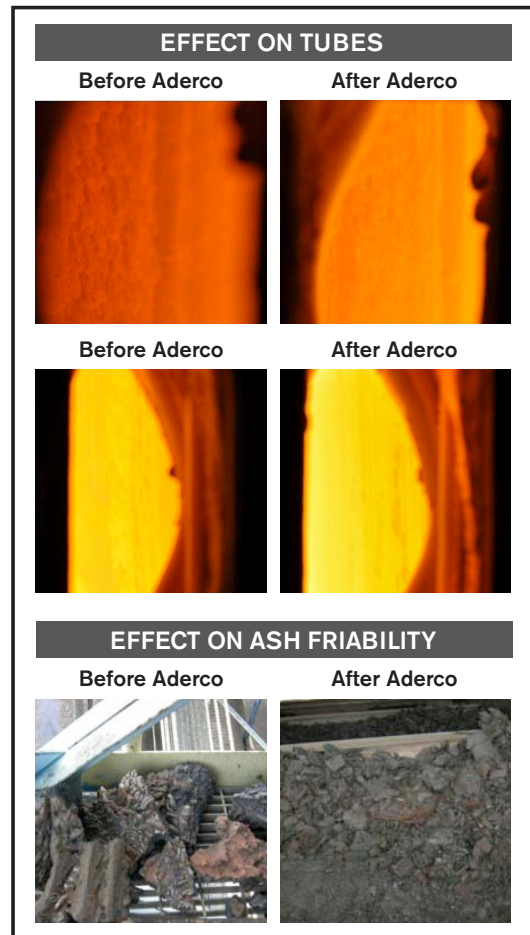
The most effective way to control slagging in coal fired boilers is to inject the MgO powder through peep holes, between soot blowing cycles and aiming directly on the problematic area with an air blower. By blowing the powder directly where the slagging occurs, we can maximise the performance of the additive and at the same time, reduce the amount of additive needed to solve the problem.

Ash deposition and fusability

When coal is burned, a small portion of the ashes will cause deposition or corrosion problems inside the boiler. Ash deposits are a major concern for coal users because they can reduce boiler availability, reliability and efficiency. A solution is required to stop the top layer of deposits from melting in order to prevent accumulation of molten ashes on the problematic areas. If the ashes remain dry, accumulation of deposit will be kept at a minimum and boiler efficiency can be maximized.

This is exactly what we can obtain by periodically injecting the right dosage of **ADERCO MC** at the right place; the powder reacts with the molten ashes and raises their fusion temperatures. The result is a dry flakier ash that can be easier removed by the soot blowers, minimising further slagging in that area.

- Consistent high quality Canadian MgO
- Very fine, highly reactive and high purity MgO
- Non-hazardous, non-toxic
- Available in 1 ton fabric bags or 23 kg paper bags



ADERCO MC SPECIFICATIONS	
Appearance	white powder
MgO content	96% - 99%
Specific gravity	3.58 g/ml
Surface area	75 - 85 m ² /g
Boiling point	+/- 3600 °C
Melting point	+/- 2800 °C
Sizing	99% passing 200 mesh 92% passing 325 mesh



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