SLAG-AG®

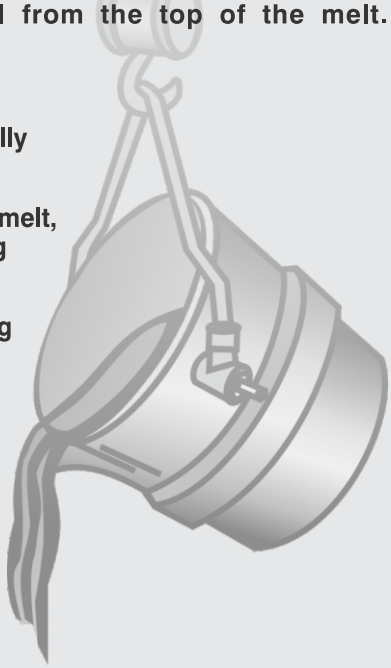
SLAG COAGULANT FOR FOUNDRY USE

SLAG-AG is specifically formulated to improve metal purity.

Slag-Ag **is a safe, simple, and cost effective way of effectively removing slag from molten metal. The product may be either applied to the surface of the melt, or placed at the bottom of the ladle before the molten metal has been poured into the ladle. In both cases, after a waiting period of a few seconds, the slag will begin to coagulate with the *Slag-Ag*. The coagulated slag agglomerate will then float to the top of the melt forming a viscous "toffee-like structure". Effective slag removal can then easily be achieved by skimming the coagulated material from the top of the melt.**

BENEFITS:

- **Reduced energy usage by thermally insulating molten metal surface.**
- **Effectively removes slag from the melt, thereby minimising scrap resulting from "Slag inclusions".**
- **Desulphurises and improves casting quality.**
- **No smoke or noxious fumes.**



FUNCTIONS AND ADVANTAGES:

Process Purer Metal
Slag-Ag thoroughly cleans molten metal by transporting impurities to the top of the melt where they can be effectively removed. Poor castings resulting from slag being poured into the mould or ingot are thereby minimized when using *Slag-Ag.*

Reduce Energy Usage
Following application, *Slag-Ag* has a relatively low density cellular structure. *Slag-Ag* that has floated to the top of the melt therefore has a blanketing effect. Significantly reducing heat energy loss. To achieve even better thermal insulation on melts, one can also use *"Pratliperl Loose Fill"*. Contact *Pratley* or refer to the website for further information on this product.

Eliminates Foreign Materials
Slag-Ag cleanses the melt of foreign material derived from scrap. It further cleanses the melt of fugitive slag due to ladle additives and desulphurization.

Cleaner and Longer Lasting Ladles
Slag-Ag attracts and removes materials detrimental to lining life. This ultimately results in cleaner ladle walls. In addition, repeated use of *Slag-Ag* will gradually cause a vitreous coating over the refractory surface. Both these benefits result in longer ladle life, ultimately saving money.

Continuous Gentle Mixing of the Melt
When used in the bottom of the ladle, *Slag-Ag* imparts a gentle mixing action during and after ladle filling. This rolling action enhances the scavenging of inclusions, impurities and oxides.

Desulphurization
There is evidence that *Slag-Ag* inhibits the re-migration of Sulphur from the slag back into the melt after desulphurization has taken place. The residue from the desulphurizing agents is held within the agglomerate slag on the surface of the metal. This is thought to bias the Sulphur diffusion process in favour of the slag so that equilibrium conditions favour high Sulphur slag and low Sulphur melt.

No Noxious Fumes and Environmentally Friendly
Slag-Ag is a completely naturally occuring mineral. When exposed to high temperatures, the material does not emit any noxious fumes.

SLAG-AG 30Kg PRODUCT CODE 99001

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