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CKCO ENGINEERING WORKS

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GRAIN REFINER-21

Introduction :

CKCO Grain Refiner - 21 is a white crystalline Tablet. The hyper eutectic aluminium alloys contain 15 to 20 % silicon. The primary silicon dissolved in such alloys results in difficult casting. The grain structure of these alloys also get coarser with high temperature to molten metal. In order to check this undesirable phenomenon, it is necessary to cast these alloys under defined melting conditions and with suitable grain refining elements. Grain Refining is easily achieved with these type of tablets as it gets easily dissolved as compared to other grain refining elements.



Grain Refiner 21

Quantity to be use :

100 grams per 100kg MELT.

- Preheat Furnace OR Crucibles to redhot condition.
- Charge in ingot and scrap.
- As soon as the charge reaches a pasty from, sprinkle Cover Flux-11 over its surface to form a cover.
- Add remainder of charge and melt repaidly.
- When the melt is ready, introduce Degasser - 22 tablets to remove harmful gases from the melt. After the degassing action has ceased add recommended amount of Grain Refiner - 21 tablets to get the desired grain refining.
- Remove the plunger from the melt and sprinkle a quantity of Cover Flux - 5 on the surface of the melt and rabble the flux layer into the melt to obtain a red glowing dross free from metal.

Precautions :

- CKCO FLUXES should not be allowed to be exposed to the atmosphere when not in use.
- Use hand gloves while handling and using fluxes.

Packing :

5 Tablets of 100 gms. are rolled in moisture proof aluminium foil and further packed 25 Kgs. Paper Carton.

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