

SOLUTIONS FOR METALLURGY

CALCIUM CARBIDE BASED ADDITIVES

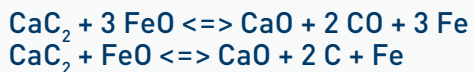
For deoxidation and desulfurization during steel making



SOLUTIONS FOR METALLURGY

Calcium carbide based additives for deoxidation and desulfurization during steel making

Calcium carbide is an efficient and cost saving reagent in secondary metallurgy.



Almamet offers technical calcium carbide in different grain sizes and tailor-made packaging. Carbide based pellets for slag conditioning during ladle furnace treatment can be produced containing additives for enhanced properties.

Applications:

- 1 Deoxidation of steel during tapping (BOF, EAF)
- 2 Slag conditioning and desulfurization of steel during ladle furnace treatment
- 3 Injection in steel ladles for lowest sulfur contents

Advantages:

- | Increased slag basicity
- | Reaction products are in gaseous state
- | Replaces aluminium and avoids aluminium reaction products resulting in higher castability
- | Significantly reduced sulfur levels in steel
- | Foaming slag during ladle furnace treatment allows for lower energy consumption and refractory wear

Almamet Industrial Solutions design and supply tailor-made feeding and injection equipment closing the loop between application and reagents.

