

SOLUTIONS FOR METALLURGY

# CALCIUM CARBIDE BASED ADDITIVES

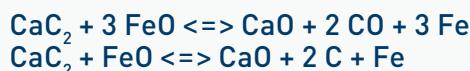
For deoxidation and desulfurization during steel making



# 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.

