

CERAFLUX

An ISO 9001 Certified Company

**"The Only Indian Company Manufacturing
Wide Range of Metallurgical Products "**

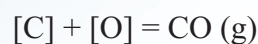
CERALOY-ALD

PRODUCT:-

CERALOY-ALD is aluminum metal/alloy which is used as a de-oxidant in steel casting.

PURPOSE:-

Molten steel dissolves oxygen during melting. As the steel cools, the dissolved oxygen combines with carbon in the steel forming carbon monoxide:



If allowed to occur during solidification this would cause gas porosity in the castings. The amount of dissolved oxygen in the steel depends on the carbon content of the melt, low carbon steel containing higher oxygen. The dissolved oxygen is also affected by the silicon and manganese content of the steel. To avoid gas evolution during solidification, the melt must be deoxidized with an element which combines preferentially with the dissolved oxygen forming a stable oxide.

APPLICATION:

CERALOY-ALD is commonly used in button form for rapid dis-solution. Additions vary from about 0.1% for medium carbon steel to 0.2% for low carbon steel.

GRADES:

1. CERALOY-ALD (P) [Al = 98-99.5%]
2. CERALOY-ALD [Al = 95-98%]
3. CERALOY-ALD (A) [Al = 85% min]

PACKING:

- Stick form - 20 kg gunny bag.
- Button form – 20/25 kg gunny bag.

NOTE:- Above information is true and accurate based on controlled laboratory testing. However user is responsible for determining suitability for application at their end. No guarantee is implied since the condition in actual use differs widely & beyond our control.

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