

REV. NO. 1

PRODUCT DATA SHEET
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CERAFLUX GR- 6512FP

(Sodium and Calcium Free Granulated Flux for all Aluminium and its Alloys)

PRODUCT:

CERAFLUX GR-6512 FP is a sodium and calcium free granulated flux designed for hypereutectic aluminium alloys used in piston castings and all Al-Mg alloys. CERAFLUX GR-6512 FP imparts a strong cleaning and drossing action removing oxides and other non-metallic inclusions present in the melt, leaving dry powdery dross.

PURPOSE:

CERAFLUX GR-6512 FP imparts reduction in oxidation and removal of oxides and inclusions from the molten metal. Dross generated is in dry powder form and easily separated from surface of molten metal with less entrapment of metal. CERAFLUX GR-6512 FP is free from fines and dust so easy for application and get spread out over the molten metal easily. Being in granular form each grains represent uniform chemical composition, providing excellent effect in lower addition dosage.

CLEANING

The best application of CERAFLUX GR-6512 FP is dosing into pouring stream during the filling of transport ladles or crucibles. Alternatively it can be added to the molten metal surface after melting is complete. CERAFLUX GR-6512 FP is plunged with a suitable plunging tool and stirred vigorously into the melt.

DROSSING:

If Flux Drossing Unit impeller treatment is being used CERAFLUX GR-6512 FP will react easily giving light and dry powdery dross. If no impeller treatment is taking place then the flux must be stirred vigorously with a preheated perforated plunger until dry dross is achieved.

PHYSICAL PROPERTIES:

Colour – Violet
Appearance- Granular
Size of granules- 1-6mm

ADDITION RATE: Addition rate depends on the quality of the charge. Dirty and smaller size scrap will generate more dross require more flux. Clean and large pieces of scrap generates less dross, requiring less flux. Recommended dose for clean charge is 0.05 – 0.15% of the metal weight.

APPLICATION TEMPERATURE: 700-780°C

ADVANTAGES:

Environmental friendly less polluting.
Dust free.
Promotes dry and powdery dross.
Granular ensuring uniform chemical properties throughout flux.
Suitable for lance and rotor injection.
When injected, removes non-metallic inclusion from the melt.

STANDARD PACKING:

250/300 gms plastic sachets packed in 20 kg polyethylene lined paper bag.
25kg polyethylene lined paper bag.

STORAGE: Store in cool and dry place and away from direct heat.

SHELF LIFE: 12 months from date of manufacturing.

PRECAUTION: FLUX IS HYGROSCOPIC IN NATURE SO STORE IT IN DRY ATMOSPHERE.