



PRODUCT DATA SHEET

CERAFLUX GR-2715

(Granulated Sodium Base modifying flux for Eutectic Aluminium Silicon Alloys)

PRODUCT : CERAFLUX GR-2715 is a granulated modifying flux recommended for eutectic aluminium silicon alloys with 5-13% Silicon content.

Sodium released by flux modify the structure of the eutectic phase.

PURPOSE : The purpose of modifying eutectic alloy is to change the acicular form of silicon to a spherical or globular form. The modification treatment improves the mechanical properties in both the as cast and heat-treated condition. Conventionally Al-Si eutectic alloys are treated with salt base modifiers to obtain the desired structure.

CERAFLUX GR-2715 melts approx. at 700°C and give effective modification effect when treated at temp. above 740°C

ADVANTAGES : Casting with improved and consistent mechanical and metallurgical properties.

Improves as – cast mechanical properties such as tensile strength and elongation.

The modified metallurgical structure and improved distribution of silicon phase gives better machine-ability and improved surface texture.

APPLICATION : Prepare the desired alloy composition. Follow the normal fluxing and cleansing procedure recommended for using suitable flux from CERAFLUX-11/ GR-2516. Degas the melt with a suitable grade of D'GASSER and dross off using small quantity of a suitable flux from CERAFLUX-11/ GR-2516.

After degassing operation, add Tibon-5/5E as per requirement. After grain refinement, add pre-calculated quantity of CERAFLUX- GR 2715 depending on the melt size. Hold the metal until all the salt is melted over the surface. Wait for minimum 10 minutes for modification effect to take place. Rabble it to ensure homogeneity of the composition, then add small quantity of CERAFLUX-11/GR-2516. Skim cleanly and pour without delay.

APPLICATION RATE : 0.2- 0.8% of the metal weight depending upon silicon content , casting process and wall thickness of casting.

APPLICATION TEMPERATURE : >740°C

BENEFITS : CERAFLUX GR-2715 specially developed to be environmentally friendly.

It is dust free in use & emits low fume during application.

Granulated fluxes can be used at reduced application rates compared to powder fluxes.

Granular ensuring uniform chemical properties throughout flux.

STANDARD PACKING : 25Kg. polyethylene lined paper sacks.

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

SHELF LIFE : 12 months from the date of manufacturing.

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

