



# PYROFLUX 11

## ALUMINIUM DROSSING AND CLEANING FLUX

Pyroflux 11 is an off-white, powdery cleansing flux for aluminium alloys containing up to 3% magnesium. It forms a protective layer over the melt, reducing oxidation and hydrogen pick-up. A strong cleansing action removes oxides and non-metallic impurities, leaving a dry dross which is particularly low in metal content.

Pyroflux 11 flux is a cleansing and drossing-off medium specially made for ingot and clean scrap melted for sand or die-castings. It is recommended for the following typical alloys: BS.1490, LM.0, LM.2, LM.4, LM.6, LM.9, LM.12, LM.22, LM.24, LM.25, etc., along with most aerospace alloys.

Alternative types of fluxes are recommended for aluminium-magnesium alloys containing above 3% magnesium or where even a slight sodium pick-up must be avoided.

Pyrofluxes are sometimes used as cover agents to prevent further melt surface oxidation.

### USE INSTRUCTIONS-MANUAL APPLICATIONS

The typical flux addition rate is from 1.25– 2.5 kilograms (2.75 – 5.5 pounds) of flux per metric tonne of charge depending on the scrap's cleanliness and size, the amount of dross being treated, and local atmospheric conditions.

1. For manual applications, spread drossing flux evenly over the surface of the dross.
2. Allow the flux to heat for 3 to 4 minutes, then stir the flux into the dross using a rake or proper mixing tool. Take care to not reintroduce molten metal into the dross.
3. When the dross is light and dry, carefully remove it with a coated skimming tool. Take care not to disturb the melt.

### BENEFITS

- Pyroflux 11 flux is a quality drossing flux supplied in a powdery form suitable for a very wide range of aluminium alloys
- Specifically designed to meet most environmental regulatory agencies' emissions limits
- Spreads thoroughly over the bath surface and creates dry and powdery dross that is easy to skim
- Reduced melt loss
- Low application temperature, 700°C (1292°F)

### AVAILABILITY

- 5 and 25 kg (11 and 55 lb) bags
- 1000 kg (2205 lb) pallets
- Additional sizes available upon request

### STORAGE

- Store in the original container
- Keep the container tightly closed in a dry and well-ventilated place
- Unusual storage conditions (high temperatures or humidities, or rain) can reduce the product's life

**WARNING:** Keep the product in the original sealed bag until use to avoid moisture absorption that may result in molten metal splashes.

### HEALTH AND SAFETY

Prior to use, refer to the product safety data sheet for proper handling and required personal protective equipment.

