



TECHNICAL DATA SHEET

# ALUCLEAN 2500

*Covering and drossing-off flux, in powder form  
for aluminium alloys*



## DESCRIPTION

Aluclean 2500 is a powder flux with an improved formulation to perform effective covering and drossing on molten aluminium alloys. The product is normally recommended for melts standing in melting furnaces, in transport ladles or during rotor degassing in ladles and crucible.

The formulation is based on inorganic and natural blended salts. This gives **no fumes**, no burning dross and other risks during handling and use. Aluclean 2500 allows for a balanced exothermic reaction.

The flux is **not suitable for alloys not tolerating the presence of sodium**.

## PRODUCT PHYSICAL DATA

<b>Appearance:</b>	Crystalline Powder	<b>Colour:</b>	White
<b>Specific Gravity:</b>	1,3 g/cm <sup>3</sup>	<b>Temperature range:</b>	680-800 °C

## METHOD OF USE

### • Melting furnaces (open flame and shaft type)

In melting furnaces, it is difficult to maintain a protective covering of flux over molten metal. Surface of metal bath is permanently oxidised leading to formation of aluminium oxide (Corundum) and floating drosses. The drosses should be treated by sprinkling Aluclean 2500 on the metal surface.

Treatment with flux reduces dross metal content to a minimum and separates the oxides, also preventing build-up of drosses on the furnace walls. After having stopped the burners, add the required quantity of Aluclean 2500 and stir flux thoroughly on bath surface. Close the furnace door and hold 5 to 10 min. with burners off, then open door and start drossing off and restart the melting-holding process.

### • Crucible furnaces

In crucible furnaces, even if there are no flames in contact with the metal, it is recommended to operate the same treatment as described in the previous section.

This will result in dross with low metal content and reduce oxide build-up on walls. As a result, the thermal conductivity of the crucible remains constant and crucible service life is increased.

### • Transport ladles and rotor degassing stations

Aluclean 2500 is ideal for ladles and/or during rotor-degassing operations. The cleaning action will start to take place after sprinkling the flux on top of the dross. When flux starts reacting, gently mix the flux into the surface layer or start the rotor action.

## QUANTITY OF USE

For melting furnaces, the quantity recommended is 1 kg for 1 Ton of metal according to the type of metal charge cleanliness.

For crucible furnaces, transport ladles and rotor degassing stations the quantity recommended is 100 grams of flux for 100 kg.

## PACKAGING AND STORAGE

25 kg paper bag laminated with polythene, moisture resistant, heat sealed at the base.

200 kg steel drum on request.

Warnings: The product is hygroscopic, always keep in a dry storage, close the package after each use.

If the product is stored in a dry place away from sunlight, the product does not expire.