

## Product Data Sheet – Furnace Deck – Non-Ferrous

# COVERAL\* 11

Flux

### Product Description

A salmon pink, powdered exothermic dressing flux for aluminium alloys.

**COVERAL\* 11** flux forms a protective layer over the melt reducing both surface oxidation and hydrogen pick-up. A thorough, exothermic cleansing action removes oxide and non-metallic impurities leaving a dry dross exceptionally low in metal content.

With regular use a marked reduction in the amount of oxide build-up on the crucible walls will be observed, due to the strong solvent action of **COVERAL\* 11** flux.

### Recommended Use

Most aluminium alloys melted in crucible furnaces: **COVERAL\* 11** flux is a cleansing and dressing off medium especially for ingot and clean scrap melted for sand or diecastings. 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.,  
also for most of the aerospace alloys.

Alternative types of **COVERAL\*** fluxes are recommended for aluminium-magnesium alloys or where even a slight sodium pick-up must be avoided.

While the principal recommendation is for crucible furnaces, **COVERAL\* 11** flux is also extremely useful as a general dressing and cleansing flux for side-well, sloping hearth and similar melting units where a rapid and effective treatment at average metal temperatures is required.

### Advantages

**COVERAL\* 11** flux is a quality dressing flux suitable for a very wide range of aluminium alloys. Still the standard flux of this type and still made to the same high quality, it is specially recommended for ingot and clean scrap charges where metal losses must be kept low and requirements in terms of metal cleanliness are highest.

### Application

Add sufficient **COVERAL\*** flux to form a layer, usually 0.5-1.0 kg per 100kg is required. The cover should be present during the early stages of melting and should be maintained intact as far as possible.

After degassing and grain refining a further small quantity of flux should be added and well rabbled into the immediate surface of the melt until a red glowing dross is obtained. Allow the melt to stand quietly for 2- minutes. Finally the dross should be removed from the melt, preferably with a perforated ladle or a skimmer, before pouring.

**Technical Data**

Description	U/M	Lower	Upper
Moisture	%	0.10	0.50
Colour Comparison		0	2

**Packaging**

25kg paper bags.

**Storage & Shelf Life**

Twelve (12) months.

The data given above represents results of tests conducted prior to final packaging. The shelf life represents the period during which the product will remain fit-for-purpose.

**Health and Safety**

For further information consult the Material Safety Data Sheet No. 11202.

**Further Remarks**

For safety reasons the product mentioned above must only be used according to these application guidelines. The data provided above is for guidance only and does not represent a specification. All rights to make technical changes to improve the product are reserved.