

SKIMMING FLUX FOR ALUMINIUM ALLOYS

COVERAL 55 is a blend of pure mineral salts designed to respond to the new requirements of most environmental protection agencies seeking for low stack emission industrial practices.

COVERAL 55 is a skimming flux suitable for all types of aluminium alloys with the exception of aluminium-magnesium alloys where a sodium free flux is required (COVERAL 66).

COVERAL 55 produces ash-like dross that easily separates from the liquid metal; skimming is thus facilitated and melt loss due to aluminium entrapment in the dross is reduced.

COVERAL 55 has the general characteristic of Pyrotek exclusive fluxes as follows: emissions of gaseous HF is well below the environmental limit values.

USAGE INSTRUCTIONS

Recommended ranges for the application of COVERAL 55 are below. Exact requirements will depend on the initial and targeted levels of oxides and residual aluminium contents in the dross. Shop specific application rates are developed through experience.

ADVANTAGES

- Reduces melt loss without ignition of the dross.
- Metal content in the dross can be reduced from 85% to less than 50%.
- Uniform composition.
- Reacts at 680°C (1256°F).
- Wall cleaner if applied on the walls.
- Can be injected through Pyrotek's FIF-50.

REVERBERATORY AND INDUCTION FURNACES

- 1.0 kg (2.2 lb) per square meter of metal surface is added
- Thoroughly sprinkle the COVERAL 55 evenly onto the metal surface to provide a continuous layer
- Let it react for 3 to 4 minutes then stir with a coated skimming tool
- Continue stirring until incandescent ash-like dross readily separates from the liquid phase
- Wait a few minutes then skim carefully

PACKAGING

COVERAL 55 is supplied in 25 kg (55 lb) bags.

STORAGE

Keep COVERAL 55 in its sealed bags until used to avoid moisture pick-up

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Note: The physical and chemical properties listed represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

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