

PYROFLUX 10

FLUORIDE-FREE, SMOKELESS CLEANING AND DROSSING FLUXES

PYROFLUX 10 is a fluoride-free flux designed to help aluminum cast houses and foundries meet increasingly strict environmental requirements for the reduction or elimination of fluoride emissions in the workplace and in stack gases.

PYROFLUX 10 is not recommended for aluminum alloys containing more than 5% magnesium or 13% silicon. PYROFLUX 10 contains sodium salt.

ADVANTAGES:

- Fluoride-free
- Low or no smoke
- Reduced oxide formation
- Non-metallics removed from melt
- Reduced melt loss
- Cleaner furnace walls

USAGE INSTRUCTIONS:

The exact quantity of flux required will depend on a variety of operating conditions such as the amount of dross present, metal temperature, and the type of furnace. The application rates listed below may need to be increased or decreased in your operation.

For application in the main body of a reverberatory furnace, PYROFLUX 10 will be the preferred flux. Turn off the furnace and distribute the flux evenly over the entire metal/dross surface. The recommended application rate is 0.1-0.2% of the total weight of metal in the furnace (1-2 lbs. of PYROFLUX 10 per 1,000 lbs. of metal).

Usage Instructions con't.

If possible, rake the flux into the dross layer to ensure thorough mixing and a complete exothermic reaction. Close the furnace door and re-fire the burners for 5-10 minutes.

Turn the burner off and carefully skim off the dry, powdery dross with a slotted or perforated tool, permitting droplets of recovered metal to coalesce and flow back into the bath.

For drossing in the reverberatory furnace dip well or charge well, the recommended application rate is 0.25-0.50 lbs. of PYROFLUX 10 per square foot of dross surface area. Spread the flux evenly over the dross and gently rake it in until the dross becomes dry and powdery. Remove the dross.

Pyrotek's worldwide locations provide fast reliable service. Please contact us for additional information.

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PYROFLUX 10 TECHNICAL DATA:

Usage Instruction Con't.

Apply half the recommended flux to the top of the melt and gently plunge and stir it into the metal. This will help clean the metal and float entrained oxides to the surface.

The remaining flux should then be spread evenly over the dross surface and raked in gently until the dross becomes dry and powdery. Remove the dross.

PACKAGING:

400 lb. poly-lined fiber drum

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