
ECO - ZINC FLUX

PRODUCT DATASHEET

General Description:

ECO - ZINC FLUX range of fluxes are in powder form and are used for protecting and cleansing zinc and its alloys during melting and for high recovery of zinc from drosses.

Purpose:

Normally zinc is prone to oxidation during melting and the dross formed contains lot of metallics in it.

ECO - ZINC FLUX range of products help in reducing the oxidation during melting as well as recovering metallics from the dross.

Benefits:

ECO - ZINC FLUX **range of products:**

1. Curtail formation of zinc oxide and hence metal losses
2. Ensure skimming with low metal content
3. Clean the metal thoroughly and absorb suspended bodies and dirt
4. Enable recovery of clean metal from low grade skimming and drosses.

Instructions for use:

ECO - ZINC FLUX STD

Add sufficient ECO - ZINC FLUX (about 0.25% by weight) during early stages of melting to form cover. When the charge is completely molten, add a further 0.25% of ECO - ZINC FLUX and plunge and rabble well into the melt, preferably with a perforated plunger. After all reactions have ceased, allow the melt to settle for a few minutes before skimming clean and pouring.

ECO - ZINC FLUX 85

Allow the dross to cool and blacken overall so that all flame has died out and there are no visible incandescent hot-spots, which could cause excessive fumes.

Do not let the temperature rise above 400°C during treatment.

Rabble the black dross and add ECO - ZINC FLUX 85 until a powdered residue is obtained.

On rabbling further, the application rate (usually from 0.25 to 0.5% depends upon the quantity of dross treated. Avoid excessive additions and add a little at a time.

Skim the powdery residue with a perforated skimmer. Once a good separation is obtained, do not restir.

For maximum metal recovery, place the skimmer in a preheadted in a conical shaped dross cart, where with stirring more metal is released through the bottom.

Product	Colour	Application	Comments
ECO - ZINC FLUX Standard	Pink	For melting ingot & clean scarp	Standard grade
ECO - ZINC FLUX 85	Off White	For drossing off and recovery of Zn from drosses	Low Fumes, especially recommended when Mg loss is to be avoided

Standard Packing: 20kg fibreboard drum

Precaution:

ECO - ZINC FLUX compounds are hydrophobic and the containers should be kept securely closed when the products are not in use.