
ECO - CUPREET

For covering protecting and cleaning copper and copper-zinc alloys.
(Flux producing neutral or reducing conditions)

PRODUCT DATASHEET

General Description

ECO - CUPREET fluxes are either powder or briquettes. ECO - CUPREET 1 is in block form reddish brown in colour, while ECO-CUPREET-8, 44 and 49 are powders with black green and white colour respectively.

Purpose

- In the melting of copper and copper-zinc alloys, the melt gets contaminated with oxides due to oxidation. It also picks up hydrogen gas from the furnace atmosphere which causes gas porosity. During the melting of copper zinc alloys, the problems of loss of zinc as zinc fumes and the formation of showers of zinc oxide in the air are usually faced.
- ECO - CUPREET fluxes help to solve these problems, they minimise oxidation losses and suppress the fuming of zinc. They dissolve impurities from the melt and keep the metal clean.

Instructions for use

- Place the ECO-CUPREET 1 block at the bottom of the hot crucible and charge the metal on top of them. Alternatively add ECO- CUPREET 44 or ECO- CUPREET 49 powder to melt at an early stage of melting. Leave the slag that forms intact until the crucible is withdrawn from the furnace.
- Use 1 block or 1kg of powder per 100Kg of metal.
- In case of electric furnaces add ECO-CUPREET 49 in two stages. Add the major portion to a heel of metal from the previous melt and use the remainder for the final dressing off. Use 0.5 kg of ECO - CUPREET 49 per 100Kg of metal.
- Deoxidise the melt by suitable deoxidising tubes.
- Skim and pour

Standard Packing:

ECO - CUPREET 1(Blocks)	:	25kg in CB Boxes
ECO - CUPREET 8(Powder)	:	25Kg in HDPE BAG
ECO - CUPREET 44(Powder)	:	25Kg in HDPE BAG
ECO - CUPREET 49(POWDER)	:	25Kg in HDPE BAG

Product Application

The following table lists the various grades of ECO - CUPREET fluxes and their application to a range of alloys and furnace types.

GRADE	FURNACE TYPE	ALLOYS
ECO- CUPREET 1	Crucible and reverberatory	Brazing
ECO- CUPREET 44	Crucible furnaces	Do
ECO- CUPREET 49	Crucible and Electric furnaces	Do
ECO- CUPREET 8	Conductivity copper	