



## TECHNICAL DATA SHEET

# CUPROTEX 10

**Covering flux for commercial copper and high conductivity copper**

**DESCRIPTION**

Cuprotex 10 is a special flux for copper alloys melted in crucible furnaces. The product forms a reducing atmosphere that drastically reduce oxidation of the metal during melting and holding time.

**Reduces melting losses, cleans the alloy from solid impurities, reduces the formation of oxides.**

The active compounds dissolve impurities present on the surface of the charge material or within the bath and help form an inert atmosphere on the bath surface that reduces the absorption of hydrogen gas and water vapor and significantly limits the oxidizing effect of the air and combustion gases in the furnace.

**PRODUCT PHYSICAL DATA**

<b>Appearance:</b>	Powder	<b>Colour:</b>	Grey
<b>Specific Gravity:</b>	1,1 g/cm <sup>3</sup>	<b>Temperature range:</b>	> 900 °C

**METHOD OF USE**

Cuprotex 10 is normally added when metal temperature is over 900°C.

During the early stage of metal melting, add Cuprotex 10. Leave the slag layer undisturbed during melting.

Once the casting temperature is reached, remove the slag floating in the bath and add a small amount of product to the surface to ensure perfect slagging.

To make the metal more fluid and increase the electric conductivity, introduce Deox BC deoxidizer tubes before pouring the alloy.

**QUANTITY OF USE**

The quantity recommended is 1 kg of Cuprotex 10 per 100 kg of alloy.

**PACKAGING AND STORAGE**

25 kg paper bag laminated with polythene, moisture resistant, heat sealed at the base.

Warning: The product is hygroscopic, always keep it in dry storage and close the package after each use.

If the product is stored in a dry place away from sunlight, the product does not expire.