

CASTREE KILNS

www.castreekilns.co.uk

Ecopure Cu 523

Description

Ecopure Cu 523 is a grey granular refining and covering flux for use with copper based alloys.

Function

Ecopure Cu 523 produces a fluid slag to dissolve and remove dirt and other impurities in the process of recovering metal from swarf, drosses and other residues.

Ecopure Cu 523 can be used with a range of non-ferrous alloys, including brass, gunmetal and tin bronzes. It is important to maintain a complete cover over the molten metal to prevent oxidation during melting.

Recommended Application

Crucible Melting:

1. Form a heel of molten metal in the base of the crucible.
2. Pre-mix sawings, swarf, etc. with 0.5-1% addition by weight of Ecopure Cu 523 depending on the cleanliness of the charge material.
3. Charge the metal/flux mixture and melt rapidly. As the mixture melts, add more metal and maintain a continuous flux cover until the crucible is fully charged.
4. Stir the flux thoroughly into the melt. Allow to stand for 2 - 3 minutes, scrape the top and sides of the crucible and remove the slag. If necessary the slag layer can be thickened to assist its removal by the addition of H.A Slag Coagulant.
5. Where alloys require de-oxidation, this can be done by the use of Cudox Tubes at the rate of one Cudox 42 per 50Kg of metal.

Reverberatory Furnaces:

This is carried out generally as described above, maintaining a continuous flux layer during melting. Heavy scrap, runners and risers are charged initially and any swarf, sawings, etc. are mixed with Ecopure Cu 523 before charging.

Packaging:

25Kg poly lined sacks.

Special packaging is available upon request.

Health and Safety

Please refer to Material Safety Data Sheet MS04 0792

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The above data on our products reflect the current state of our knowledge and experience. Due to the variety of possible applications, the content of this Product Data Sheet may not be considered as legally binding. Similarly, no liability resulting from possible third-party patents can be assumed.