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SELEKTAL

FLUX FOR COPPER AND ITS ALLOYS

DESCRIPTION

SELEKTAL is a flux in shape of white powder.

PURPOSE OF APPLICATION

SELEKTAL is intended for removing aluminium and partially silicon from brass, red brass, tin bronze, phosphor bronze, and alloys of copper with nickel. It can be applied in all the furnaces. Aluminium as undesired impurity appears as white spongy layer on the surface of castings therefore it must be compulsorily removed from the melt of the most copper alloys before casting.

ACTION

SELEKTAL oxidizes aluminium and lead the oxide into an easily removable slag. Oxidation and removal of silicon is less efficient. Removing of aluminium enables smooth, un-porous surfaces of castings.

INSTRUCTIONS FOR USE

Depending on aluminium content 1 to 2 % of SELEKTAL is applied per mass of molten

Procedure: 1 % of SELEKTAL after previous removal of protecting flux is powdered on the bath surface which was slightly overheated above the casting temperature. After SELEKTAL melts, it is stirred into the melt. After few minutes of stirring the melt is left to calm down. The formed slag is skimmed. In case that aluminium is still present - which can be observed on the surface of trial casting - the procedure is repeated with 1 % of **SELEKTAL**. For skimming the slag our product **PEŽE** is recommended.

PACKING

Flux is packed in natron bags with polyethylene bags inside at 40 kg each, or by customer request.

STORING AND TRANSPORT

SELEKTAL is hygroscopic therefore it must be protected against moistening during transport, storing, and use.

According to the European regulations for international road transport of dangerous goods, **SELEKTAL** is not a dangerous substance.

PROPERTIES

Physical state white powder Chloride content 8 - 10 % 0.5 % max Moisture content