exoterm-it

družba za proizvodnjo, inženiring, zastopstvo in trgovino, d.o.o.

ISO 9001
BUREAU VERITAS
Certification

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 metal.
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 %
Moisture content	0.5 % max