

# BAŠTIT 21

## FLUX FOR COPPER ALLOYS

### DESCRIPTION

**BAŠTIT 21** is an oxidation flux. Flux is a brownish powder.

### PURPOSE OF APPLICATION

**BAŠTIT 21** is applied in degassing, prevention of gas pick-up, and for reducing melting losses in melting tin bronze, red brass, and tin-lead bronze with less than 10 % lead. It can be used in all the furnaces except in induction furnace where we recommend application of flux **BAŠTIT 12 ME**.

Use of **BAŠTIT 21** enables sound, compact castings.

### INSTRUCTIONS FOR USE

On the incipiently melting charge 1 to 2 % of **BAŠTIT 21** is fed. As the melt is heated to the casting temperature, the formed slag is stirred with metal bath which is later degassed with **BADEG S**. After degassing the slag is skimmed, and then we deoxidize it.

For skimming the slag our product **PEŽE** is recommended.

### ACTION

**BAŠTIT 21** has a low melting point, and an easily flow able oxidation slag is formed on the liquid metal, which controls the oxidation of the charge which is degassed in this way. Liquid slag prevents the contact between the melt and the atmosphere and thus the gas pick-up and the melting losses. **BAŠTIT 21** scavenges nonmetallic inclusions and thus flushes them out of the melt.

### PACKING

**BAŠTIT 21** is packed into natron bags with inserted polyethylene sacks at 40 kg each, or into smaller bags according to the customer requests.

### STORING AND TRANSPORT

**BAŠTIT 21** must be stored in dry.

According to the European regulations for international road transport of dangerous goods, **BAŠTIT 21** is not a dangerous substance.

### PROPERTIES

Physical state	brownish powder, without any special odor
MnO <sub>2</sub> content	min. 28%
Moisture content	below 1.0 %

In contact with hot sulfuric acid, the toxic gas hydrogen fluoride is being produced.