

# BLAKITE Mortar

## Product specification

Characteristics BLAKITE is a special mortar for laying of the brick grades FEUERLEICHTSTEIN and JM 3000.

## Chemical analysis

Al <sub>2</sub> O <sub>3</sub>	41 - 45	[wt%]
SiO <sub>2</sub>	49 - 53	[wt%]

## Physical properties

Maximum service temperature	1650	[°C]
Pyrometric cone equivalent S.C.	33	

## Treatment

Setting BLAKITE will be delivered ready for use being a moist mixture of fine-grained aggregates and special binder.

After air-drying BLAKITE possesses a good strength and a very strong adhesion.

Installation Its use is limited to an ambient temperature between 5 and 30 °C.

## Preparing BLAKITE Mortar

### **Using the mortar**

When mixing mortar it is particularly important to make sure that all implements and containers used are clean, i.e., not contaminated with other mortar or with cement dust, as this is likely to cause premature setting of the mortar.

The surface water has to be mixed thoroughly with the mortar because of the heavy components which tend to sink to the bottom of the barrel due to the gravity. Under these conditions the agitation direction should be from the bottom to the top in order to obtain an optimum mixing.

The manual agitator recommended by us is pushed to the bottom and then lifted by turning it slightly. This procedure has to be repeated until the whole mortar is completely homogeneous.

A powered agitator can also be used. It is important that it makes the same up and down movement like the manual agitator.

Get rid of chipped surfaces or other fragments on the refractory lining. Use compressed air if necessary, depending on the condition of the lining.

Keep the refractory lightweight bricks dry and do not moisten them before applying the mortar.

### **Packaging and Storage**

The mortar will be delivered in metal barrels.

The mortar has to be stored dry and protected against humidity in a store room, at a temperature between 8 °C and 25 °C if possible.