

# BETASIL 10

## SUPPLEMENTARY BINDING AGENT FOR CO<sub>2</sub> PROCESS

### DESCRIPTION

**BETASIL 10** is a liquid binding agent which is admixed to the CO<sub>2</sub> sand to improve its disintegration after the casting.

### ACTION

**BETASIL 10** reduces the sensitivity of cores and moulds, made by the CO<sub>2</sub> process, to the storing time. Use of **BETASIL 10** enables lower consumption of silicate binder. The reduced consumption of silicate binder and additive activity of **BETASIL 10** improve the disintegration of cores and moulds after the casting.

### INSTRUCTIONS FOR USE

**BETASIL 10** in amounts of 1 to 1.5 % is mixed with the silica sand of an average grain size around 0.25 mm, then 3.5 to 4.5 % of silicate binder is added. We recommend our silicate binder **VEZIVO M**. Mixing time for **BETASIL 10** should be 2 minutes, and for silicate binder approximately 3 minutes. The prepared sand mixture is applied in the standard CO<sub>2</sub> core-making and mould-making process.

### PACKING

**BETASIL 10** is packed in plastic or metal buckets at 25 kg each.

### STORING AND TRANSPORT

**BETASIL 10** should not be stored in sun, since fermentation can occur. Use of fermented **BETASIL 10** causes gaseous inclusions in the castings. Below 5°C it becomes very dense therefore its use at such conditions is difficult.

According to European agreement for international road transport of dangerous goods, **BETASIL 10** is not a dangerous substance.

### PROPERTIES

Dry matter	68 - 70 %
Viscosity at 23°C	1500 – 2000 mPas
Density at 20°C	1,2 – 1,4 g/l