Requirements:
- resistance to high temperature load
- resistance to molten metal and slag corrosion
- resistance to melt penetration
- resistance to extreme thermal shocks

Monoliths:
- NOVOBET 1650
- ULTRABET 1650-BC
- ULTRABET 1650-BCR
- ŽÁROBET 1750-TMSC

Precast shapes:
- NOVOBET 1600-A
- NOVOBET 1650-K
- NOVOBET 1700-TAB
- NOVOBET SPI-TAB
- ULTRABET 1650-BHK
- ULTRABET 1800-TS
- SUPRABET 1800-TScr

Innovation
Continuous research and development of new materials

Background
Own design, construction and production of moulds

Experience
More than 25 years of experience with production of a complicated precast refractory shapes

Knowledge
Quality technical service and assistance
**Requirements:**
- reduction of energy consumption
- excellent insulation
- resistance to furnace environment (flow, vibrations, dynamic load, dimension changes during shut-downs)
- long-lasting functional anchoring system

**Materials:**
- PK-block A-65-composite

**WALLS**

Requirements:
- excellent insulation
- quality anchoring system
- resistance to furnace environment
- high creep resistance

Materials:
- ŽÁROBET 1450-HT
- ŽÁROBET 1555-HT
- NOVOBET 1550-MC

**HEARTH**

Requirements:
- extreme thermal shock resistance
- high strength
- sufficiently high creep resistance

Materials:
- NOVOBET 1550-SA
- NOVOBET 1600-A
- NOVOBET 1600-A-HT
WALKING HEARTH FURNACE – PRECAST SHAPES

WALLS AND ROOF

Requirements:
- excellent insulating properties
- advanced anchoring system
- resistance to furnace environment
- sufficiently high creep resistance

Materials:
- ZÁROBET 1450-HT
- ZÁROBET 1650-HT
- NOVOBET 1550-SA
- CHEMOBET 1500-sol

WALKING HEARTH

Requirements:
- high strength
- high abrasion resistance
- very high creep resistance
- resistance to thermal changes
  (shapes at the furnace inlet)

Materials:
- ULTRABET 1650-BHK

BURNERS

Requirements:
- high resistance to thermal shock

Materials:
- NOVOBET 1600-A
- NOVOBET 1650-AK
**Requirements:**
- thermal changes resistance
- high strength
- high creep resistance

**Materials:**
- NOVOBET 1300
- NOVOBET 1500
- NOVOBET 1550-MC
- NOVOBET 1550-SA
- NOVOBET 1600-A
- UNIBET 1300
- UNIBET 1400
- UNIBET 1500
- CHEMOBET 1350-sol
- CHEMOBET 1500-sol

**PREFABRICATED STRUCTURAL UNITS**

Our company offers the production of complete construction parts of thermal units. We provide installation of anchoring system, insulation layer and working layer including initial tempering.

We deliver Burners, Ladles, Piping, Parts of stack, Wall and ceiling panels, Furnace gates, Furnace covers, etc.
HOT REPAIRS BY GUNITING

Requirements:
- application under high temperatures deep inside thermal aggregates
- very good adhesion to the original lining
- parameters close to the casted linings

Our solution:
- We offer a modern proven technology of repairs by guniting. The method is applicable in the entire temperature range.
- We apply chemically bonded refractory mixes with an inert, harmless bonding agent. Values presented in our data sheets correspond with properties of real gunited linings.
- We can recommend a proven installation company experienced with guniting of these materials.

Materials:
- CHEMOBET TOR-1350-sol
- CHEMOBET TOR-1450-sol
- CHEMOBET TOR-1500-acid
- CHEMOBET TOR-1550-A-SIC-5-sol
- CHEMOBET TOR-1550-B-sol
- CHEMOBET TOR-1550-K-so

MATERIALS FOR METALLURGY

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<th>Main raw material</th>
<th>Classification</th>
<th>Material required (t/m³)</th>
<th>Type of bond</th>
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<th>SiO₂ [°C]</th>
<th>CaO [°C]</th>
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