

## TVAROFORM refractory and insulation shaped forms

TVAROFORM refractory and insulation shaped forms (feeders, breaker cores, sprue stakes etc.) are made from aluminosilicate and mineral fibres. They are bonded with inorganic and organic bonding agents. Products made of alkali earth and silicon oxide fibres are newly supplied as the BIO version.

The shaped forms are more resistant to heat in oxidising environments. The application temperature range is lower in reduction environments (alkaline waste gases, etc.).

They have high thermal reflection, low thermal conductivity and capacity. They are very tolerant to thermal shock. One surface (moulded) is even and accurate and determines the dimensions. The other surface is slightly uneven.

### Application

The shaped forms are used as thermal insulant for temperatures up to 1200°C. They effectively protect various parts of furnaces and structures from high temperatures and prevent heat loss. They are best applied in metallurgy, machinery, glass-making and the energy sector (e.g., manufacturing and repairs of various types of furnaces, boilers, fireplaces, etc.).

### Application examples


- inlet systems in foundries
- furnace visors
- batch head insulation
- sampling ladles
- pyrometer and probe protection
- melting crucible insulation

### Supplies

A mould has to be made for each required shape based on specification drawings submitted by the customer. Only open shapes can be made, such as: tubes, cones, crucibles and so on.

Property	TVAROFORM
<b>Classification temperature</b>	1100°C
<b>Humidity</b>	max. 5%
<b>Loss by annealing</b>	max. 10%
<b>Bulk density</b>	300 ±50 kg/m <sup>3</sup>
<b>Shrinkage after heat exposition (at 1100°C /24 hrs)</b>	max. 4%

Hobra – Školník s.r.o  
Smetanova ulice  
550 01 Broumov  
Czech Republic  
T: +420 491 580 111  
F: +420 491 580 140  
E: hobra@hobra.cz  
W: www.hobra.cz

Certifikace:  
ISO 9001   
ISO 14001 