

**Description** : BIOPLAST refractory mortar is a refractory mixture of alumina-silica opening material and chemical binders.  
The refractory mortar is designed for general use at temperatures of up to 1250°C.  
It is supplied dry and mixed with water before use.  
The mortar is very strong and adheres to the backing immediately after drying at standard temperature.

**Use** : BIOPLAST is used for thin brick linings of tile stoves, fireplaces and structures exposed to high temperatures.  
When preparing and applying the mortar it is essential to keep the surfaces to be bonded dry and free of dirt. The dry mixture mixed, if possible, with lukewarm water should be left to settle for approximately 30 minutes before it is applied. The mortar contains additives which extend the mortar workability up to several days, if kept away from air.

**Specifications** :

| <i>Property</i>  | <i>Guaranteed value</i>   | <i>Testing procedure</i>   |
|--|---|--|
| Grain size<br>Oversize > 0.25 mm<br>Al <sub>2</sub> O <sub>3</sub> content<br>Fe <sub>2</sub> O <sub>3</sub> content<br>Refractoriness   | 0-0.25 mm<br>max. 15 %<br>min. 28 %<br>max. 1.0 %<br>min. 1410 °C | ČSN EN 1402-3<br>ČSN EN 1402-3<br>ČSN EN 955-2<br>ČSN EN 955-2<br>ČSN EN 993-12            |
| <i>Property</i>  | <i>Normal value</i>   | <i>Testing procedure</i>   |
| SiO <sub>2</sub> content<br>Na <sub>2</sub> O content<br>Adhesiveness after drying to 110°C/16h<br>Adhesiveness after firing to 1250°C/4h<br>Optimum use of water per 100kg of dry mixture<br>Classification temperature | 60 %<br>4 %<br>1856 N<br>2732 N<br>32 l<br>1250°C                 | ČSN EN 955-2<br>ČSN EN 955-2<br>ČSN 72 6100<br>ČSN 72 6100<br>ČSN EN 1402-3<br>ČSN 72 6100 |

The properties are checked using a single acceptance sampling plan with a guaranteed mean value and an unknown standard deviation in accordance with ČSN ISO 5022.

**Packaging** : The refractory mortar is shipped in 25kg plastic buckets with a lid.

**Storing** : The mortar should be stored in dry conditions.  
The storage period is max. 12 months from the date of production.

Ing. Milan Čvanda  
Managing Director and Chairman of the Board