

# INSULMOULD 1600P

## Description

**Insulmould 1600P** are high temperature pumpable mastics, composed of polycrystalline fibres dispersed in binders. These versatile products can be can be pumped, caulked or trowelled quickly and easily into place for use in filling, sealing and repair applications.

## General characteristics

**Insulmould 1600P** has the following outstanding characteristics:

- Low thermal conductivity
- Resistance to thermal shock
- Excellent vibration resistance
- Low shrinkage
- Good adhesion
- Ease of installation

## Typical applications

- Caulking of refractory cracks & expansion joints
- Casing "hot spot" repairs (refractory or fibre lined equipment)
- Furnace door frame/jamb seals
- Sealing of gaps around furnace penetrations/windows

Any new and/or special use of these products, whether or not in an application listed in our literature, must be submitted to our technical department for their prior written approval.

## Chemical properties

Insulmould 1600 P products are made out of polycrystalline fibres. Al<sub>2</sub>O<sub>3</sub> 72-97%, SiO<sub>2</sub> 3-28%. Other ingredients, such as water may be present.

## Physical properties

Colour	:	White
Product form	:	Putty
Use limit *	:	1600°C
Wet Density	:	1600 kg/m <sup>3</sup>
Dry Density	:	850 kg/m <sup>3</sup>

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**Insulmould 1600P** can be dried at room temperature but this requires an extended period of time. Therefore forced air heating at 100°C is recommended. Firing or heat up of the equipment or furnace will allow for quicker removal of moisture from the material. During the first firing, some initial out-gassing can be expected at elevated temperatures. Ventilation is required to permit escape of steam.

## **Availability**

304 ml, 15 kg and 25 kg

## **Shelf Life & Storage**

**Insulmould 1600P** can be stored for up to 6 months, based on unopened container kept in cool dry storage conditions. Storage between 5 and 20°C is recommended. (Excessive heat will shorten the shelf life and freezing will result in irreversible damage to the product.)