

## Kaowool Mastic / Mastic F



### Type

Ceramic fibre mouldable

### Maximum continuous use Temperature

1000°C.

### Description

Mastic is a mouldable form of Kaowool™ Ceramic Fibre which can be trowelled, hand moulded, or injected from a hand-held pressure gun.

Drying converts the Mastic into a strong, hard - yet light weight - insulating material which has great thermal stability up to 1000°C and can be used in some applications up to 1260°C. Resistance to cracking and spalling is excellent, and the dried material has strong adhesive properties.

Although air drying is possible, it is recommended that assisted drying be carried out below 100°C. Care must be taken to ensure that the moisture can readily escape.

Mastic remains stable when stored in its resealable container, and a shelf life of at least six months may be expected; however, precautions should be taken against freezing.

### Typical applications

As a general stand-by repair medium for patching, sealing and caulking in furnaces, boilers etc. Also for the lining and repair of launders, ladles, casting heads and distributors for non-ferrous metals and the filling of cuplocks used on anchors in high temperature furnace linings.

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| <b>Main properties</b>   |                   |       |
|--|-------------------|-------|
| Maximum continuous use temperature   | °C                | 1000  |
| <b>Properties measured at ambient conditions (23°C/50% RH)</b>   |                   |       |
| Colour   |                   | white |
| <b>Density</b>   |                   |       |
| as supplied  | kg/m <sup>3</sup> | 1550  |
| Dried  | kg/m <sup>3</sup> | 670   |
| <b>Modulus of rupture</b>  |                   |       |
| dried  | MPa               | 1.6   |
| after 24 hours at 1000°C   | MPa               | 1.98  |
| Linear drying shrinkage  | %                 | 1.0   |
| <b>High temperature performance</b>  |                   |       |
| Loss on ignition (2 hours at 600°C)  | %                 | 1.0   |
| Permanent linear shrinkage (ASTM C-356) after 24 hours isothermal heating at classification temperature: | %                 | 6.0   |

### Availability

Mastic F is supplied in 5kg and 20kg plastic containers.

The values given herein are typical values obtained in accordance with accepted test methods and are subject to normal manufacturing variations.

They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes. Check with your Thermal Ceramics office to obtain current information.

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