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# BB-FILLER
## SKAMOL Moler aggregate insulation
– up to 900°C (1652°F)

### Description
Moler aggregate BB-FILLER is a lightweight material, chemically inert and remarkable for its very good insulating properties.

The granulated free-flowing loose-fill insulating material is derived from fired SKAMOL raw diatomite, which is crushed, sieved and graded to 0.3-1.0 mm (18-50 mesh).

Aggregates in alternative formulations to meet specific requirements can be made upon inquiry.

| Sieve analysis - % by weight passing ISO sieves | | | |
|---|---|---|---|
| 4.0 mm | 2.0 mm | 1.4 mm | 0.5 mm |
| 100 | 99-100 | 95-100 | 0-5 |

### Application
Due to its free-flowing properties BB-FILLER is ideally suited as a loose-fill insulation for furnace cavities and double-skin linings, over arched roofs and in open joints, levelling of furnace bottoms and hearths.

BB-FILLER is specially designed as a joint filler for SKAMOL BB-blocks.

### Packing
BB-FILLER is supplied in 25 kg (55 lbs) plastic bags.

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| | | | |
|---|---|---|---|
| **Maximum service temperature** | | | |
| | | °C | 900 |
| | | °F | 1652 |
| **Bulk density, as supplied** | | | |
| | | $kg/m^3$ | 550 |
| | | lbs/cu.ft. | 34 |
| **Pyrometric cone equivalent** (ASTM C24-89 ORTON cones) | | | |
| | | °C | 1350 |
| | | °F | 2462 |
| **Thermal conductivity** (BS 1902: Section 5.5 1991) | | | |
| mean temp. | @ 200°C | W/(m×K) | 0.16 |
| | @ 400°C | | 0.18 |
| | @ 600°C | | 0.20 |
| | @ 392°F | BTU/(sq.ft×h×°F/in) | 1.11 |
| | @ 752°F | | 1.25 |
| | @ 1112°F | | 1.39 |
| **Chemical analysis, typical** | | % | |
| Silica | | $SiO_2$ | 77 |
| Titanium dioxide | | $TiO_2$ | 0.7 |
| Ferric oxide | | $Fe_2O_3$ | 7.0 |
| Alumina | | $Al_2O_3$ | 9.0 |
| Magnesium oxide | | MgO | 1.3 |
| Calcium oxide | | CaO | 0.8 |
| Sodium oxide | | $Na_2O$ | 0.4 |
| Potassium oxide | | $K_2O$ | 1.6 |
| Sulphur trioxide | | $SO_3$ | 1.2 |
| Loss on ignition 1025°C (1877°F) | | LOI | 1.5 |
| **Colour** | | | |
| | | | Red-brown |
| **HS Tariff number** | | | |
| (Harmonized Commodity Description and Coding System) | | | 2512.00.00 |

Data are average results of tests conducted under standard procedures and are subject to variation. Data contained in this data sheet are supplied in good faith as a technical service and are subject to change without notice.Misprint and errors excepted.

February 2009