

Keralcast

Description: Alumina based abrasion resistant castable.

This is new technology, previous high abrasion resistant ceramics are based on high additions of silica fume. Keralcast has only 1% silica and can therefore be used at high temperatures, up to 1750C with virtually no molten phase present.

Density: 3.06 g/cm³

Max particle size: 5mm

Thermal conductivity: 2W/mK

Water addition: Extremely low: +4.5%

Mixing: 7 minutes in a bakery mixer or 20 minutes in a pan mixer.

The consistency can be adjusted from putty to self-flowing, as preferred.

The setting time can be adjusted from half an hour to 6 hours, as preferred.

Testing: Try to grind it on a bench grinder.

Shelf life: 2 years.

Packaging: 25 kg plastic bags.

Project no. 1142

Claimer: This data sheet had better be correct because Dave Onderstall stakes his reputation on it.