



Duracast 1400

DESCRIPTION:

A conventional cement bonded castable, which has good strengths and dimensional stability.

Maximum Service Temperature (°C)	1400
Dry material required per cubic metre (kg)	1900
Maximum grain size (mm)	8
Water addition (litre/100 kg)	14 - 16

MODULUS OF RUPTURE (MPa)

After drying at 110°C	5
After heating to 1000°C	3
After heating to 1200°C	4

COLD CRUSHING STRENGTH (MPa)

After drying at 110°C	20
After heating to 1000°C	15
After heating to 1200°C	15

PERMANENT LINEAR CHANGE (%)

After drying at 110°C	neg
After heating to 1200°C	- 0.3

THERMAL CONDUCTIVITY (cast)

At a mean of 1000°C (W/m/°K)	0.72
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Storage life (under ideal conditions) Twelve (12) months

TYPICAL CHEMICAL ANALYSIS (%)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	TiO ₂	Alkalies
50	38	1.2	8.7	1.5	0.4

This data may be subject to variation due to installation, and therefore it should not be used for manufacturing specifications. All testing is to AS1774 where applicable. This is a non-controlled document and before ordering please confirm with intended supplier that the data is current