

Data Sheet

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Hollocast 1

Hollocast is a refractory castable with a high insulation value yet high strength and resistance to thermal cycling.

Composition:

Hollocast has a very fine microstructure and low permeability, yet the total porosity is 40%.

Physical Properties:

C.C.S (after firing at 1300°C):	20MPa
Bulk Density:	1.60 g/cm ³
Density (1250°C):	1.36 g/cm ³
Permanent Linear Change:	-0.8% at 1250°C
Thermal Conductivity:	0,49 W/mK @ 200°C
	0,50 W/mK @ 400°C
	0,52 W/mK @ 600°C
	0,55 W/mK @ 800°C

Applications:

- Replaces all traditional "semi-insulation" materials.
- Soaking pit roofs, especially where Detrick bricks are used as anchors.
- Any roofs where a weight saving can reduce the structural support system.
- Brick kiln roofs.
- Insulation applications which are subjected to mild abrasion.
- Heat treatment bogeys.
- Intricate kiln furniture.
- Places where access is limited or difficult.
- High thermal shock applications.

Installation:

Mix with about +19% water to +23% water.

It is a viscous self-levelling fluid.

DO NOT VIBRATE - it will cause segregation and failure.

Shelf life:

About 18 months

Packaging:

20kg Plastic Bags

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