

Permit Number: WP3931SD Operator: Kennametal UK Ltd
 Installation: Newport Ceramics Form Number: Energy1

Reporting of Energy Usage for the year 2021

Energy Source	Energy Usage		Specific Usage (MW/unit output)
	Quantity	Primary Energy (MWh)	
Electricity *	6944 MWh	16665	35.41 MWh/tonne product
Natural Gas	0 tonnes	n/a	n/a
TOTAL	6944 MWh	16665 MWh	35.41 MWh/tonne product

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments:

The specific energy usage has been calculated based on powder production and hot pressing. Although powder production and hot pressing are responsible for the majority of the electricity consumed on site, this is a slight over-estimate as some of the electricity used on site is used in the production of other products.

The specific energy usage is similar to last year. However, this figure will also be affected to some degree by differences in the quantities which different products are produced. Some products require more energy to produce than others.

Signed Jawhan Date 31/1/22
 (Authorised to sign as representative of Operator)