

# Coal-Switch EFB Palm Biomass Pellet

Direct coal replacement · torrefied ·  $\approx 4,800$  kcal/kg

Coal-Switch is USSB's torrefied EFB pellet — calorific value approaching that of bituminous coal, hydrophobic and grindable on existing coal-handling infrastructure. Designed for utilities pursuing direct coal substitution rather than co-firing.

## Technical specifications

Parameter	Specification	Test method
Diameter	6 – 10 mm	ISO 17829
Length	10 – 40 mm	ISO 17829
Bulk density	$\geq 700$ kg/m <sup>3</sup>	ISO 17828
Mechanical durability	$\geq 98\%$	ISO 17831-1
Moisture content	$\leq 8\%$	ISO 18134
Ash content (torrefied)	$\leq 3\%$ (dry basis)	ISO 18122
Gross calorific value	$\geq 4,800$ kcal/kg	ISO 18125
Hydrophobic	Yes (torrefied)	Internal
Sulphur (S)	$\leq 0.05\%$	ISO 16994
Chlorine (Cl)	$\leq 0.08\%$	ISO 16994
Fines (< 3.15 mm)	$\leq 1\%$	ISO 18846

## Recommended applications

- Drop-in fuel for pulverised-coal power stations
- Storage and handling on existing coal infrastructure
- Long-distance ocean freight (hydrophobic, weather-resistant)
- 100% coal substitution pilots and full conversion programmes

## Certifications & testing

Independently tested by SIRIM, TNB Research (TNBR) and SGS. Compliant with ISO solid biofuel standards. Letters of Intent (LOIs) from utilities in Japan and South Korea.

## Commercial terms

Origin	Malaysia (Johor / Pahang)
Packaging	Jumbo bags 1,000 kg / bulk vessel

<b>Incoterms</b>	FOB Pasir Gudang / Port Klang (CIF on request)
<b>Minimum order</b>	1,000 MT / month
<b>Lead time</b>	30–45 days from PO

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