



Vantage International  
Metal Industries LLC

# Carbon Dust Product List



Welcome to Vantage International Metal Industries, where we lead the charge in sustainable solutions and innovation. Our premier offering, carbon dust, is a by-product of aluminium smelting that underscores our commitment to environmental responsibility. As the primary supplier for carbon dust production, Vantage International Metal Industries spearheads this groundbreaking initiative. This high-carbon-content by-product, derived during the production of anodes for aluminium smelting, serves as a remarkable alternative fuel for the cement industry.

The utilization of 78,000 tonnes of carbon dust has translated into savings of approximately 36,000 tonnes of CO2 emissions, signifying a substantial reduction in dependence on traditional fuels and a meaningful stride towards a more environmentally responsible future. Going beyond the supply chain, Vantage International Metal Industries actively engages in the processing and re-use of stockpiled carbon dust. This approach ensures that previously generated material plays a pivotal role in advancing the circular economy. We invite you to join us in shaping a greener future with our premium carbon dust—a testament to our unwavering dedication to environmental responsibility and innovation.

## Carbon Dust Test Report

Test	Method	Unit	Result
Moisture Content	ISO 589	%	2.60
Ash Content	ISO 1171	%	38
Volatile Matter	ISO 562	%	6.76
Fixed Carbon Content	ISO 17246	%	48.00
Total Sulphur	ED-XRF / ICP-AES	%	<0.1
Gross Calorific Value, kcal/kg		kcal/kg	4072

### Calorific Value, Moisture, Ash Results

S. No	VR Code	Sample Description	Gross Calorific Value, kcal/kg	Moisture	Ash
3	VR032/23	CARBON DUST	4003 kcal/kg	0.79%	39.30%

#### Location:

Abu Dhabi

Office Location: Dubai, JLT, Cluster P, Armada 2, Office: 3004

Site Location: KIZAD B - KHIPT-85, Abu Dhabi

Phone: +971 50 837 4707

Email: info@vantage-imi.com

Website: www.vantage-vimi.com