



## HOW SEMCO FD REDUCED ENERGY COSTS AND INCREASED PRODUCTIVITY THROUGH FASTER DRYING SPEED

**PARAMETER:**

Alloy:	SG Iron
Casting Weight:	3,000 - 12,000 kg
Pouring Weight:	Up to 22,000 kg
Pouring Temp:	1250 - 1450 °C
Core & Mould Making:	Furan

### WIND TURBINE CASTINGS

**FOUNDRY:**

Global Castings Foundry – specialised in wind turbine castings

**FOSECO PRODUCTS**

- SEMCO\* FD
- SEMCO ZIR 7320 V
- ESHANOL\* VM 1723
- CATASET VM 100
- CATASET VM 200
- SEMCO Coating 9223
- SEDEX\* filters
- FEEDEX\* sleeves

**KEY BENEFITS**

- Faster drying speed
- Reduced energy costs
- Easier coating handling



Core after coating application



Finished core – 50% faster supplied to moulding line



### THE CHALLENGE

The customer wanted to improve core shop output, accelerate coating drying rate and reduce energy consumption. It was important to them to have as good as or better casting surfaces and reduce their overall casting manufacturing cost.



### OUR SOLUTION

SEMCO FD is a range of water-based coatings designed for flow coating applications that will dry quicker than traditional water-based products. The range includes products with a variety of refractory fillers making them suitable for different metal types and casting conditions.



### THE OUTCOME

Through the use of the SEMCO FD, the customer found 50% faster core / mould drying cycles. They significantly reduced CO2 output due to 50% less energy consumption. The coating application was improved due to lighter filler combination applied and zircon was removed from the foundry.

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