

MasterFlux I300

Ultra-High Strength Grout for Onshore Wind Turbine Foundations

MasterFlux I300 is a shrinkage-compensated, cementitious grout that offers high early and final strength, excellent pumpability, and long workability time. It delivers superior fatigue resistance under dynamic loading and outstanding rheological performance for demanding structural applications.

Product Benefits:

- Reaches ultra-high strength ($\geq$ C100/I15) with early strength of $\geq$ 60 MPa after just one day.
- Withstands dynamic loads, meeting fatigue resistance standards under Model Code 2010.
- Offers long workability ($\geq$ 2 hours), excellent pumpability, and no segregation or bleeding.
- Easy to install in complex areas
- Available in low-dust small or bulk bags for all project sizes.
- Approved by multiple OEMs, ensuring performance and reliability for turbine base applications.



Scan the QR Code

For more information about
our specialised solutions for
the wind energy industry



Supporting the Future of Sustainable Energy

Master Builders Solutions supports the successful construction of modern wind farms by delivering high-performance materials tailored for the renewable energy sector. Backed by more than 100 years of construction expertise, our specialists have developed high-strength, ultra-durable, and fatigue-resistant grouts designed to meet the rigorous demands of both onshore and offshore wind turbine installations and refurbishments.

Areas of Application:

- Base plate grouting for wind turbines installed using pre-stressing techniques
- Onshore turbine foundations requiring ultra-high strength grouting materials
- Installations subject to dynamic loads or high fatigue stress
- Anchoring of turbine bolts in demanding structural conditions
- Projects with operating or installation temperatures ranging from 0°C to 40°C
- Grouting applications with thicknesses from 25 mm up to 600 mm



**Deep Trench
Design**



**Shallow Trench
Design**



**Above Plinth
Design**

Inspiring People to Build Better

With 115+ years of expertise and local operations across Australia and New Zealand, we deliver high-performance admixtures, cement additives, civil & underground solutions that improve durability, reduce CO₂ emissions, and support a decarbonised future.

