



7,000 Tons of Densit® Ducorit® S5R Grouts Formosa 2 Offshore Wind Farm

47 wind turbines with a 376MW plan capacity in a 68.81km² area in the Strait of Taiwan are coming to fruition. The Formosa 2 Offshore Wind Farm, adjacent to the [Formosa 1 Offshore Wind Farm](#), plays a significant role in Taiwan's goal to generate 5.5GW in offshore wind energy by 2025. This large-scale wind power project is successfully underway, thanks to excellent cooperation and the Ultra-High Performance Cementitious (UHPC) grout, [Densit Ducorit S5R](#).

With crews situated 4-10km off the coast of northwest Taiwan in Miaoli County, the ITW Performance Polymers grouting specialists and [Densit grout](#) team assessed the logistics of grouting in 55 m deep waters with a 37°C / 98.6°F ambient temperature – difficult conditions for many grouts to handle. Ducorit S5R grout maintained superior flowability in these conditions allowing all grouting material to pump and install smoothly and efficiently.

“I am happy to share that we have now completed the last grouting operation on the Formosa 2 wind project. With this, we have completed 47 jackets and pumped approximately 7,000 tons of Ducorit S5R grout,” Stefan Lindby, Offshore Wind Project Manager. Approved by DNV-GL for installations up to 40 °C, the UHPC grout is the premium grouting material for warm weather wind installations.

The 47 SG 8.0-167 DD [offshore wind](#) turbine units from Siemens Gamesa Renewable Energy will have a 167 m diameter rotor, 81.5 m long nacelles, and each turbine's swept area will be 21,900 m². With the high success rate of Densit Ducorit S5R, the strong foundations of the Formosa 2 [Offshore Wind Farm](#) will support the expected 376MW supply of clean sourced electricity to around 380,000 homes.