



SIKA AT WORK

CRYSTAL RIG II WIND FARM, DUNBAR, SCOTLAND

Sika® ViscoCrete® 35RM

BUILDING TRUST



CRYSTAL RIG II WIND FARM, DUNBAR



PROJECT DESCRIPTION

This project started in 2008 and since finishing in 2010 the sixty 2.3 MW Siemens turbines are delivering electricity equivalent to the consumption of 110,000 homes.

The diameter of the turbines rotor is 93 m and the height of the towers are between 68.5 - 78.5m.

The installation of the turbine bases was part of an approximately £19 million infrastructure contract by Jones Bros (Civil Engineering) completed for Fred Olsen Renewables.

Extending the workability life of the concrete was a main priority of the specification, together with challenging access requirements and long distances from the site batching plant to the job site.

SIKA SOLUTIONS

Sika® ViscoCrete® 35RM, a unique liquid admixture which was used as a high range water reducer/ superplasticiser, not only enhanced the workability and consistence retention (open time) of the concrete for easier placement, but also gave higher strength and increased durability.

With each base measuring in at up to 300 cubic metres, the slower rate of cure enabled the concrete to be placed without fear of cold joints, and ensured that the concrete remained plastic long enough to be fully compacted. Sika® ViscoCrete® 35RM conforms to the requirements of BS EN 934-2.

PROJECT PARTICIPANTS

Contractor: Jones Bros (Civil Engineering)

Client: Fred Olsen Renewables

Sika organization: Sika Limited, UK

Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.



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