



# SIKA AT WORK

## LOWER MELVILLE WOOD WIND TURBINE IN FIFE, UNITED KINGDOM

REFURBISHMENT: SikaGrout®-3200

BUILDING TRUST



# SikaGrout® - THE BASE FOR WIND TURBINE IN SCOTLAND



## PROJECT DESCRIPTION

SikaGrout®-3200 was specified for the construction of an 85 metre high wind turbine at Lower Melville Wood landfill site in Fife, Scotland which is designed to generate 600 MWh per year, reduce 290 tonnes of CO<sub>2</sub> emissions and create enough energy to power nearly 200 homes. The Lower Melville Wood turbine is part of a larger wind farm project being carried out across the region by Fife Council.

## PROJECT REQUIREMENTS

600 kg was applied on top of a cured concrete base, filling the void between the steel flange and the concrete foundation to provide a solid structural bedding to transfer load from the tower. Mixed on site and pumped in a continuous application by concrete, screed and grout specialists UK SGP, SikaGrout®-3200 cures with high final compressive strengths of 90 N/mm<sup>2</sup>. Technical Director of UK SGP commented: "When selecting a grouting product we place priorities on quality, conformity, specification, characteristics, yield and cost. Sika is a company renowned for its concrete product solutions, so naturally we knew it was perfect for our needs".

## SIKA SOLUTION

Developed specifically for use in the onshore wind farm generation, SikaGrout®-3200 meets the project needs with features such as fatigue certification, CE Certification, high early strength, resistance to freeze-thaw, fluid consistency and easy to mix. This versatile grout can be used for steel, concrete and hybrid wind towers for the precision grouting of vertical and horizontal joints.

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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