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# SIKA AT WORK

## POWERHOUSE KJØRBO IN SANDVIKA, NORWAY

STRUCTURAL GLAZING: Sikasil® SG-500

SEALING & BONDING: Sikaflex®-15 LM, Sika Boom®

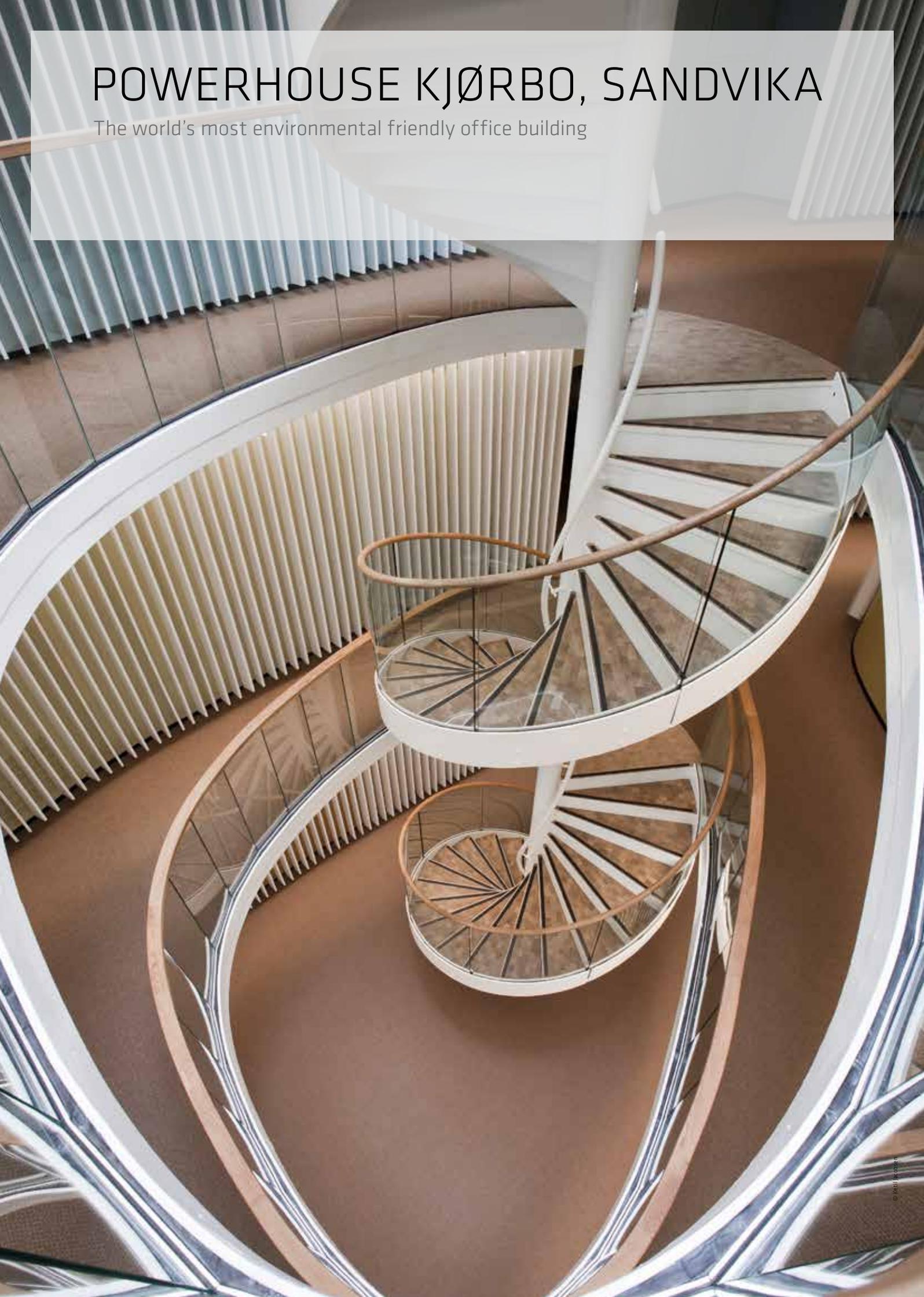
GROUTING: SikaGrout®

BUILDING TRUST



# POWERHOUSE KJØRBO, SANDVIKA

The world's most environmental friendly office building



**POWERHOUSE KJØRBO IS THE** first renovated office building in the world that produces more energy than it consumes. Powerhouse Kjørbo contains two office blocks from the 80'ties, which were transformed into contemporary and modern office premises. The goal for the building was to produce more energy than it consumes during its entire life cycle. By means of solar panels, Powerhouse Kjørbo will produce more than 200,000 kWh annually.

#### PROJECT DESCRIPTION

The interdisciplinary design process has from the very beginning created new and innovative solutions. For the design phase, the project achieved BREEAM-NOR certification Outstanding.

#### PROJECT REQUIREMENTS AND SIKA SOLUTIONS

High focus on environment based on BREEAM-NOR, passive house standard NS 3701 and a goal to become a Powerhouse plus house when it comes to energy, Powerhouse Kjørbo has achieved the most prestigious certificate for an environmental classification with BREEAM-NOR Outstanding. The result has been the world's most environmental friendly office building. The process has been challenging for all involved parties. The demanding requirements of BREEAM-NOR was to select the best products and solutions as driving forces.

For the structural glazing Hubro AS, with Norsk Hydro as aluminum supplier chose Sikasil® SG-500 for the task. For extensive sealing of joints, Sikaflex®-15 LM was the preferred sealant solution. Insulation was accomplished with Sika Boom®. Grouting was fulfilled with SikaGrout®.



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# POWERHOUSE KJØRBO IN SANDVIKA, NORWAY



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## PROJECT PARTICIPANTS

**Owner:** Entra Eiendom AS

**Architect:** Snøhetta as

**Specifier:** Asplan Viak, Skanska Teknikk, Itech

**Contractor:** Skanska Norge AS

BREEAM-NOR AP: Skanska Teknikk

BREEAM-NOR assessor: Multiconsult

**Research and development-Partner:** The Research Centre on Zero Emission Buildings (ZEB)

## SIKA PRODUCTS

- Sikasil® SG-500
- Sikaflex®-15 LM
- Sika Boom®
- SikaGrout®

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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