



SIKA AT WORK SUZANO MUCURI, BAHIA

BUILDING TRUST



SUZANO MUCURI, BAHIA

THE COMPANY

Suzano is a Suzano Holding parent company. Founded 94 years ago, the company nowadays is undergoing a comprehensive process of rejuvenation. This process is driven by sustainable growth, and according to the company the formula for bringing them in to this new era is innovation.

Suzano is currently engaged in producing eucalyptus pulp, which is sold in 31 countries, and paper, which is sold in 60 countries. They are the world's second-largest producer of eucalyptus pulp, one of the five largest market pulp producers and the regional leader in paper for household and commercial use.

Through FuturaGene, the first company in the world to obtain approval for the commercial use of genetically modified eucalyptus, they also operate in the biotech industry, focusing on the genetic enhancement of forestry and biofuel crops, with research labs in Brazil, Israel and China.

The company maintains an administrative headquarters in São Paulo, São Paulo and seven industrial units, which are located in Limeira, São Paulo; Suzano, São Paulo (two units); Mucuri, Bahia; Imperatriz, Maranhão; Belém, Pará; Fortaleza, Ceará.

Overseas there is a sales office in China and subsidiaries in United States, Switzerland, United Kingdom and Argentina.



Suzano Pulp and Paper Factory in Mucuri, Bahia.

SUZANO MUCURI, BAHIA

PROJECT DESCRIPTION

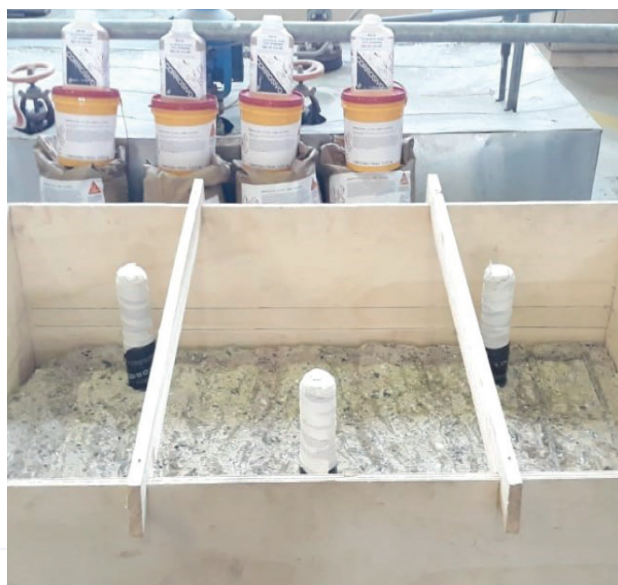
The Suzano unit located in Mucuri BA, presented problems with anomalous vibrations in the factory condensing turbine TG3. The contractor, Alzata Engenharia, specialized in treatment of building anomalies and structure rehabilitation, after an evaluation, identified problems in the concrete base of the previous bearing. They identified detachment points, signs of displacement and deformation, signs of fragility in structural elements and failure in the concrete.

PROJECT REQUIREMENTS

Suzano required a repair of the bases in order to treat the pathological symptom and cease the anomalous vibrations in the condensing turbine TG3, obtaining a structure that is able to resist the turbine loads.



Concrete base with cracks, displacement problems and deformations.



Preparation of forms for application of gravel Sikadur®-42 BR.



Application of epoxy grout Sikadur®-42 BR.

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SIKA'S SOLUTION

The project included the repair of 3 bases, 2 of them of the condensing turbine TG3 and 1 base of the previous bearing. The product specified by Alzata Engenharia for repairing the bases was the fluid grout **Sikadur®-42BR**, with sufficient strength to resist vibrations and impacts from the machines. After the controlled demolition of the structures, forms were used for the application of more than 2 tons of **Sikadur®-42BR**. To ensure the perfect performance of the product, the contractor took all the necessary precautions to prevent trapped air, ensure homogeneity of the mixture and carry out the grouting process in each base without interruptions.

OBS: Due to the high local temperature, around +38°C, prior to the application, all of the 3 components of the product were stored in a refrigerated room, with temperature around 22°C.



New turbine base, made with Sikadur®-42 BR.



Detail of the base after execution with Sikadur®-42 BR.

SIKA PRODUCT

- Sikadur®-42 BR
- 2.349 Kg

CLIENT: Suzano Papel e Celulose SA

SPECIALIZED APPLICATOR: Alzata Engenharia

RESPONSIBLE: Engenheiro Ítalo Toscano

REPRESENTATIVE SIKA: Engenheiro Célio Monteiro



App. Mundo Sika



Sika S.A.

Av. Dr. Alberto Jackson Byington, 1525
Vila Menck - Osasco - SP
CEP 06276-000
Fone: 11 3687-4600

TS 0800-703-7340

Technical Service

www.sika.com.br

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