



Pile foundations for sugar silos, Kalkar-Appeldorn

Data and facts

Company	PORR Spezialtiefbau GmbH
Type	Foundations
Runtime	03.2017 - 05.2017
Principal	Pfeifer & Langen GmbH & Co. KG

[Project report online](#)

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Foundation for new production building

To meet the high requirements, FRANKI PILE NG® piles were used, and were implemented in the underlying, densely layered sand and gravel. Once the first silo had been completed, the earth excavation began, and so the production of the other piles had to be adjusted accordingly. Static and dynamic test loads were applied, to check the load-carrying capacity and resistance settlement of the piles. All loads met the specified criteria.

Services:

309 FRANKI PILE NG® piles	$d = 71\text{cm}$, $N_k \leq 6.000\text{ kN}$, $L \leq 14\text{ m}$
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2 static load tests

4 dynamic load tests

Impressions



Image notes

1

Pile foundations for sugar silos

FRANKI PILE NG® piles along the trough into which sugar is dispensed

2

Pile foundations for sugar silos

The pile installation is simultaneously carried out by three FRANKI pile drivers.

Do you have questions about the project or would you like to learn more? Feel free to contact us for further information.

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