

Largest Nut & Dried Fruit, Logistic Centre

📍 Hückelhoven, Germany

Project Overview

Twintec delivered approximately 80,000m² of reinforced concrete flooring for Germany's largest logistics centre dedicated to the storage and distribution of nuts and dried fruits. The facility serves as a central hub supplying production sites across Germany. The project included 64,000m² of internal floors and 16,000m² of external slabs, completed by Q4 2025.



Project Data

END USER

A company affiliated with the largest multinational retail group in Germany

MAIN CONTRACTOR

Bremer West GmbH & Co. KG

CONSULTANT ENGINEER

SCE Schulz Concrete Engineering GmbH

SLAB AREA

80,000 m²

SLAB DEPTH

20-27 cm

COMPLETION DATE

Dec 2025

POUR DURATION

60 Days

The Challenge

The project was delivered within an extremely demanding 34-week programme, requiring floor slab construction to be carefully coordinated with the sequential erection of precast warehouse structures. Conventional reinforcement had to be installed and concreted immediately following completion of each hall. Varying weather conditions throughout the construction period added further complexity, demanding close collaboration between the main contractor, concrete supplier, and Twintec team to maintain programme certainty while consistently achieving the required quality standards.

The Solution

Twintec supplied and installed 2,400 tonnes of reinforcement and placed 17,500m³ of concrete using conventionally reinforced floor slab systems, including areas with integrated underfloor heating. Large joint-free slab pours were adopted to minimise maintenance requirements and create a near-continuous surface suitable for food storage operations. Special reinforcement mats were utilised to accelerate installation compared with traditional bar reinforcement, while TWINFLEX joints were incorporated in heavily trafficked areas requiring durable, low-maintenance construction joints. To meet the client's requirement for the highest possible surface abrasion resistance, a dry-shake hardener was mechanically applied and worked into the concrete surface until full saturation was achieved. Using specially selected materials and a controlled installation process, this provided a highly durable, wear-resistant finish and the highest-quality surface attainable with this construction method.

The Outcome

The project successfully delivered a high-performance logistics flooring solution supporting one of Germany's largest food distribution operations. Enhanced flatness requirements in accordance with DIN 18202 Table 3, Line 4 were independently verified, while the floor achieved the durability, abrasion resistance, and low-maintenance performance required for long-term warehouse operations and food storage environments.

Key Facts

- Fully engineered reinforced concrete floor slab solution
- 80,000m² total floor area across internal and external slabs
- 2,400 tonnes of reinforcement supplied and installed
- 17,500m³ of concrete placed and finished
- Large joint-free floor construction for reduced maintenance
- Enhanced flatness achieved to DIN 18202 Table 3, Line 4
- TWINFLEX joints used in high-traffic areas
- DGNB Gold sustainability objectives supported through material selection
- Delivered within a demanding 34-week construction programme
- Designed for long-term food storage and logistics operations

The Twintec Difference



30 Years of Expertise

Delivering trusted flooring solutions worldwide.



Proven High-Performance

Materials engineered for durability and efficiency.



Global Expertise, Locally Applied

Bringing international knowledge to your project.



Sustainable Solutions

Reducing environmental impact while supporting your ESG goals.



Scalable & Flexible Solutions

Tailored for contractors and end-users.



Have a Project? Talk to
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