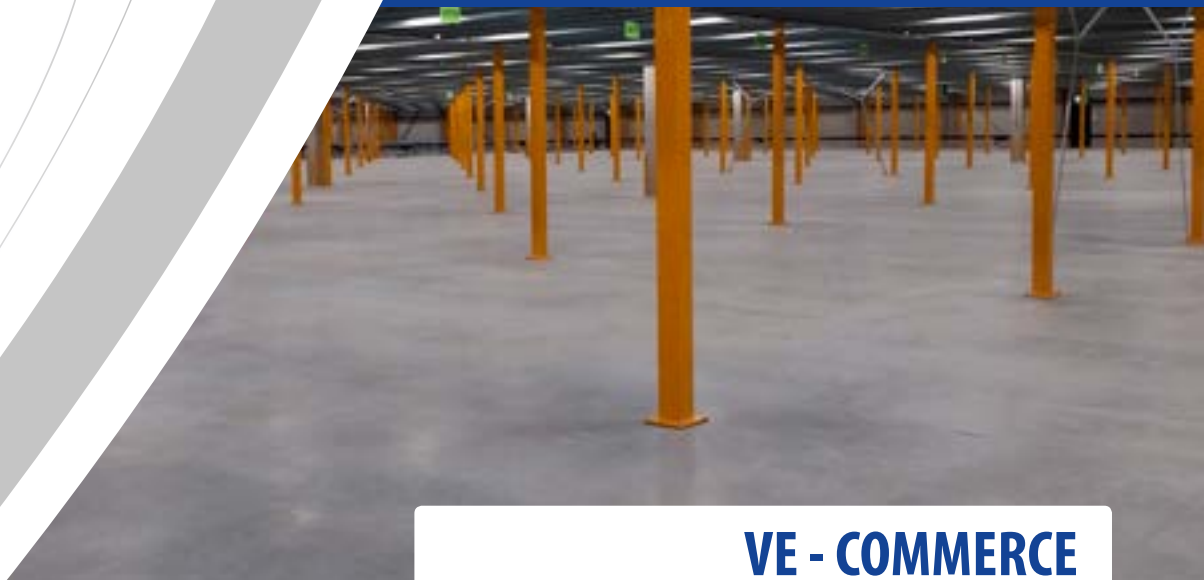


Project Spotlight



VE - COMMERCE Venlo, Netherlands

Warehouse - SFRC ground bearing Ultimate® 'seamless' floor slab

Groep Heylen, Belgium is an investment group that constructs multi-purpose warehouses and provides logistic solutions. The development at VE-Commerce logistics campus is a 60,000m² multi-purpose warehouse that can be divided into separate and linkable units and occupied by PHV Europe.

The facility is designed to accommodate a variety of tenants with varied business operations and demands on the floor slab, so flexibility, longevity and minimal maintenance are the key requirements for the floor slab.

Twintec provided a solution by designing and constructing a Twintec Ultimate® seamless, high performance concrete floor slab. With this Ultimate floor, there are no expansion, contraction or induced saw-cut joints. The system incorporates tied construction joints that do not open and therefore provide a seamless concrete floor slab throughout the entire facility. The slab combines the technical strengths of steel fibres as well as traditional mesh reinforcement. The skilled and experienced Twintec workers utilising in-house developed specialist equipment laid the floor to the required flatness tolerance (DIN18185). Twintec specialise in flat floors and achieved a 99.9% score above the required 95% score for compliance with the DIN15185 standard.



Project Data

End User:	PVH Europe	Pour Days:	24
Main Contractor:	Groep Heylen (B)	Slab Depth:	150 mm
Consultant:	VDR Bouwgroep	Fibre Type:	HE 50/1,0
M2:	59.887 m ²	Fibre Dosage:	30 kg/m ³
		Completion Date:	Dec. 2016

Project Spotlight



Twintec is unique worldwide in offering a total responsibility package of Design-Build-Guarantee.

Design: Twintec in-house engineering team consider all elements of the building. For this project stated loading requirements were a UDL of 50kN/m² and racking leg load 80kN, Twintec design solution was a 150 mm slab thickness to all areas with a fibre dosage of 30 kg/m³ of high tensile strength HE50/1.0 steel fibres combined with a single layer of mesh.

Build: Co-ordination of activities on site is a critical success factor and this was achieved by the professional project management team at VDR Bouwgroep, ensuring all parties worked together to deliver a successful project. All Twintec floor slabs are constructed by directly employed, skilled and experienced workers. Concrete is a key component to ensure finished quality of the floor slab and an excellent supply by Cementbouw met Twintec's daily delivery and quality requirements. Offering fast track production combined with quality finish, the Twintec team laid 2.500m² per day over 24 working days, easily achieving the DIN 15185 standards for this project.

Guarantee: The Twintec assurance guarantee is provided to all parties in the project. This incorporates insurances, warranties and advisory notes together with Twintec quality assurance guarantee that comes from employing professional staff throughout the business, a high level of customer service and a robust aftercare system.



Contact the Twintec Netherlands business team for further information:

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