

Project Spotlight



Eurohub Sud, Dudelange, LU

Distribution Centre - SFRC ground bearing Ultimate® 'seamless' floor slab

In coordination with Willy Naessens and WDP, investors in the Eurohub project, Twintec Belgium designed and executed a Twintec Ultimate floor slab for this innovative logistic park in Luxembourg.

The Eurohub Sud in Luxembourg was expanded in 2019 to include several logistic warehouses by the investor WDP Europe. WDP specified that the buildings, including the concrete floor slabs, needed to be innovative, low maintenance, demonstrate sustainability and high quality.

In coordination with main contractor Willy Naessens, they chose a Twintec Ultimate totally seamless floor slab, providing a low maintenance slab with no opening construction joints. The design produced by Twintec's engineers provided a floor slab that met the required criteria and provides total flexibility for future occupiers.

The Twintec production team, using specialist equipment including Superflat Screed and Topping Spreader, constructed the Twintec Ultimate floor slab in 11 pouring days achieving the highest flatness requirement of TV204 Klasse I of the WTCB as confirmed/checked by an independent specialist.



Project Data

Investor:	WDP	Pour Days:	11
Main Contractor:	Willy Naessens	Slab Depth:	170mm
Engineer:	Twintec	Fibre Type:	HT 1/50
M2:	25,000m ²	Fibre Dosage:	30kg/m ³
		Completion Date:	December 2019

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

Design: The Twintec in-house engineering team consider all elements of the building. In this case the building had to be environmentally credible. The Twintec Ultimate was perfectly suited to this project. With the right products and the combination of fibres with the traditional mesh, the design solution helped to reduce CO².

Build: Co-ordination of activities on site is a key success factor and this was achieved by the professional project management team at Willy Naessens ensuring all parties worked together to deliver a successful project. All Twintec floor slabs are constructed by directly employed, and experienced workers. This was especially important on this project as the slab had to be laid by machine, whilst ensuring compliance with the project's stringent flatness requirements. Concrete is a key component to ensure quality in the floor slab and an excellent supply by EQIOM met Twintec's daily requirements. The Twintec team laid the 25,000m² in 11 working days by machines, easily achieving the flatness requirements for the project.

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

Contact the Twintec Belgium business team for further information:

Tel: +32 (0) 9 349 4701 Email: info@twintec.be

Regional Office Flandres: Trieststraat 38 / bus E, B-9960 Assenende Belgium

Head Office Belgium: Rue d'Artagnan 28, B-4600 Visé Belgium