

Project Spotlight



Portwest Clothing Fieldsend Business Park, Barnsley

Portwest Warehouse Extension, Freeplan® Jointless Internal Ground Bearing Floor Slab

Twintec were contracted by Simpson (York) Limited to construct a high bay concrete ground floor slab for the extension of an existing warehousing and production facility for Portwest Ltd. Portwest is a global manufacturer and innovator of workwear, safety wear and PPE, established in 1904 and now operating globally in over 130 countries.

Employing over 5,100 people worldwide, Portwest has a team of world class designers who specialise in flame-resistant and high-visibility workwear, hand and foot protection, PPE, and wearable technology.

The new extension is to house a high bay, very-narrow aisle racking system for product storage and, as such, required a very high tolerance and hard-wearing floor slab. Twintec engineers were consulted because of our experience with this type of system and innovative design solutions and materials technology.

Working closely with the main contractor team we were able to develop an optimised solution for the floor slab, including the use of our highly skilled rectification team, to develop a floor that achieves the required tolerances (95% compliance with DM1 of TR34:4th Edition) over 99.6% of the floor.

Project Data

End User:	Portwest Clothing Ltd
Main Contractor:	Simpson York Ltd
Consultant Engineer:	Gravica Ltd
End User:	7835 m ²
Slab Depth:	170 mm
Fibre Type:	AFT® 08/55 Steel Fibres
Fibre Dosage:	30 kg/m ³
Pour Days:	8
Completion Date:	December 2022

"From the first meeting we had on site through to the last cube of concrete, your management and operative were always polite and helpful. All your men were knowledgeable and had a very good standard of work, this was shown in the finished DM1 slab that requires very little grinding. You worked alongside Simpson with your quality checks and controls. Hope we can work together on the next project."

Jon Calvert, Project Manager, Simpson York Ltd

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Total Offer Concept

Design:

Value engineered design solutions adapted to each users' specific needs.

Twintec slabs are all designed in-house by the specialist engineering team. Incorporating the latest innovations in concrete floor slab design.

Build:

Site co-ordination, supply of materials, fast track construction and superior finishing worldwide.

Highly skilled and experienced staff. Innovative materials supported by rigorous testing, in-house developed and well maintained equipment.

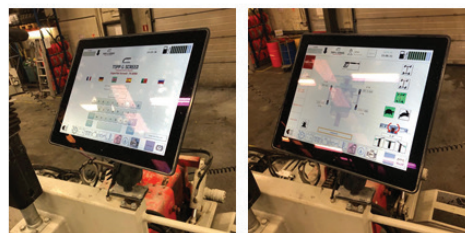
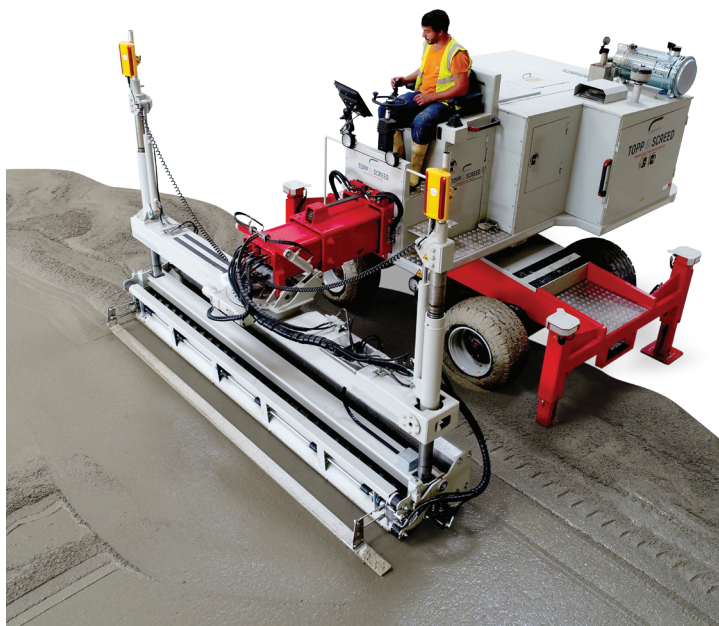
Guarantee:

The Twintec assurance guarantee.

Twintec's guarantee extends across the business incorporating quality control, professional staff, customer service and aftercare in addition to insurances.

State of the Art Laser Screed Machine

Twintec uses state of the art laser screed machines by Topp & Scream. With computer generated multi-levelling functions, these machines work with the highest accuracy in terms of flatness.



Contact the TwintecProjectsUK business team for further information:

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