

Project Spotlight



AAH Pharmaceuticals Stoke on Trent, UK

Design and Construction of a 17,700m² Steel Fibre Reinforced Concrete (SFRC) Ground Floor Slab with red dry-shake finish

Twintec has designed and installed the largest coloured dryshake floor featuring the Sikafloor-1 MetalTop system in the UK.

The 17,700m² red coloured floor is at the new distribution warehouse and offices of AAH Pharmaceuticals Ltd based in Stoke-on-Trent, UK.

AAH Pharmaceuticals are the leading distributors of pharmaceutical healthcare products to hospitals, pharmacies and chemists throughout the UK. Their specification demanded a high tolerance floor with a surface that would last for years with little or no maintenance and would meet the TR34:FM2 classification for floor flatness and levelness.

Working with Management Contractors Rosco (Wellingborough) Ltd and Consulting Engineers AC Robinson & Associates, Twintec installed the joint-free industrial floor slab using their Twintec Freeplan® system comprising over 2,900m³ of concrete, reinforced with 40kg/m³ of AFT 1/50 steel fibres.

The dryshake topping Sikafloor-1 MetalTop was sprinkled directly onto the surface of the new, wet concrete floor slab using an automated spreading machine. The dryshake fuses with the concrete when powerfloated, forming a monolithic

surface that dramatically enhances durability, especially abrasion and impact resistance. The colour pigments are integrated within the materials and therefore cannot wear off.

Within the blend of materials that make up Sikafloor-1 MetalTop, are hard alloy aggregates containing titanium, which produces one of the hardest surfaces of all dryshake systems. The surface is anti-static, dust-free and resistant to oils, chemicals and solvents. Slip-resistance actually increases with age, as does the aesthetic quality of the floor.

Project Data

Application Type:	Distribution Warehouse & Offices	Concrete Supplier:	Bardon Concrete
Main Contractor:	Rosco (Wellingborough) Ltd	Fibre Type/s:	AFT 1/50
Consultant Engineer:	AC Robinson & Associates	Fibre Dosage:	40kg/m ³
		Total Area:	17,700m ²
		Slab Depth:	165mm
		Completion Date:	July 2006

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