

Expo Exhibition Halls - Extension

SFRC Freeplan® Jointless Exhibition Hall Floor Slab

📍 Dubai Exhibition Centre, Dubai, UAE



Project Overview

Twintec delivered a 64,000m² Freeplan® jointless SFRC floor slab for the north and south extensions of the Dubai Exhibition Centre. Designed to match the performance and finish of the existing exhibition halls, the project combined high-specification flooring, FM2 flatness tolerances, and accelerated construction to support critical exhibition programme deadlines.

Project Data

SURFACE AREA

64,000 m²

SLAB DEPTH

170mm

FIBRE TYPE

AFT® 08/55

FLOOR SYSTEM

Freeplan® Jointless SFRC

FLATNESS REQUIREMENT

FM2 to TR34 4th Edition

JOINT TYPE

Triton Joints

FINISH

Powerfloated with natural dry shake and epoxy coating

CLIENT

DEC

CONSULTANT ENGINEER

Egis

MAIN CONTRACTOR

Khansaheb Civil Engineering

The Challenge

The project required Twintec to replicate the same quality, performance, and finish standards achieved within the original exhibition halls while accommodating extensive integrated service chambers throughout the slab design. Construction took place during peak summer conditions under a highly compressed programme, requiring close coordination between contractors, MEP teams, and slab installation works across both north and south hall extensions simultaneously, while maintaining the demanding flatness tolerances required for international exhibition use.

The Solution

Twintec specified its Freeplan® jointless SFRC solution using AFT® 08/55 steel fibres within a 170mm slab designed to achieve FM2 tolerances to TR34 4th Edition.

The slab was hand laid and powerfloated by highly skilled Twintec operatives using a natural dry shake finish, before the client later applied an epoxy coating.

Concrete was pumped on site to manage restricted access and maintain continuous sequencing, while close coordination ensured efficient integration with ongoing construction and MEP activities.

The Outcome

Twintec successfully delivered a high-performance exhibition flooring solution within the accelerated 68-day Dubai Exhibition Centre expansion programme. The project achieved the demanding flatness standards essential for world-class exhibition operations while supporting the venue's readiness for major international events. Careful sequencing, skilled installation, and close trade coordination ensured successful delivery under challenging programming and site conditions.

Client Testimonial

"On behalf of the Company and the Khansaheb family, I would like to thank you for your valuable contribution to the successful completion of the first phase of the above project. The collaborative teamwork demonstrated by your team played a key role in achieving this important milestone in time for an event of great significance to Dubai. Your commitment and support are highly appreciated, and we look forward to your continued support in successfully completing this prestigious project for a very important Client." **Tariq Hussain Khansah, Chairman**

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.



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sales@twintecgroup.com

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