

Project Spotlight



Goodman's - Axle West Eastern Creek, Western Sydney, NSW

Industrial Warehouse –
Ground-bearing slab using AFT®+0960HE steel fibres

The Axle West development in Eastern Creek, NSW, is a landmark industrial facility developed by Goodman, delivering 26,814m² of premium warehouse and office space. Strategically positioned adjacent to the M4 and M7 motorways, the site offers unrivalled access to the broader Sydney metropolitan network and can reach 4.5 million people within a 60-minute drive.

To meet the structural demands of the facility — Including high bay racking and 9-tonne point loads — the warehouse slab incorporated Twintec's AFT®+0960HE steel fibres at a dose rate of 23kg/m³ of concrete. This high-performance steel fibre reinforcement solution provided the necessary structural integrity while enabling a more efficient construction process. The use of AFT®+0960HE fibres contributed to several key outcomes: improved surface quality with reduced visible fibres, superior structural performance under high loading conditions, and a clean, uniform finish that enhances the presentation of the facility for end users. The result is a robust and low-maintenance floor well-suited to the operational needs of modern logistics and distribution businesses.



Project Data

Developer	Goodman's	Surface Area:	26,814 m ²
Consultant	Van Der Meers Engineering	Slab Depth	180mm
Main Contractor	Texco	Fibre Type	AFT®+0960HE
Concrete Supplier	Western Suburbs Concrete	Fibre Dosage	23kg/m ³
Concrete Placer	Conzpec	Completion:	Q2 2025

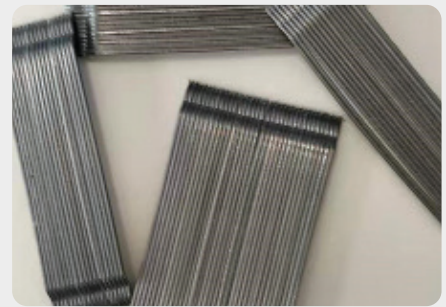
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By supplying AFT®+0960HE fibres at an optimised dosage of 23kg/m³, the project benefited from a steel fibre reinforced slab that achieved both performance and aesthetic goals. The fibres provided excellent crack control and enhanced load distribution — essential for a facility designed for high rack storage, heavy forklift traffic, and long-term durability.

A particular benefit of AFT®+0960HE is its ability to minimise surface fibre exposure. This not only improves the appearance of the floor but also reduces the risk of surface snagging or fibre-related wear in material handling operations — a notable win for tenant satisfaction and facility longevity.

The AFT®+0960HE steel fibre is a high-performance reinforcement material designed to enhance the strength, durability, and toughness of concrete. Manufactured for demanding applications, it provides excellent crack resistance and structural integrity, making it ideal for industrial floors, precast elements, and heavy-duty infrastructure projects. Its optimised geometry and high tensile strength ensure effective stress distribution and superior performance under dynamic and static loads. The AFT®+0960HE steel fibre is engineered for easy mixing and uniform dispersion, delivering consistent results, and improving the longevity of concrete structures.



"Working with Twintec has assisted WSC to deliver steel fibre reinforced concrete to our clients. Expert placement and highly trowelled burnished finish has been achieved on all projects using Twintec AFT®+0960HE steel fibres. Twintec make the process very easy from readily available stock to seamless delivery. Twintec have been working with all stakeholders and assisting with project identification and specifications. Our steel fibre dosing systems and practises have been approved by Twintec. WSC will continue to work with Twintec and deliver best possible outcome for our clients."

Kevin Dowling
Sales Manager WSC

Twintec offer a range of steel and synthetic fibres for concrete reinforcement to meet your specific requirements.

Request a copy of our fibre guide: australia@twintecgroup.com

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