

Project Spotlight



CEVA Logistics Warehouse Erskine Park, NSW, AUS.

Twintec AFT®+0960HE steel fibres

A state-of-the-art 47,000m² warehouse was developed for CEVA Logistics, a global leader in third-party logistics, to support their ongoing growth and expansion across the Asia-Pacific region.

This project involved a collaboration of industry experts, with Griffiths Engineers as the consulting engineer, FDC managing the construction, Azzurri Concrete placing the slabs, and Gunlake Concrete supplying the burnished concrete mix.

The design required superflat concrete floors capable of handling an 8-tonne post load with narrow racking. Griffiths Engineers, the consulting engineers for the project, specified Twintec's AFT®+0960HE hook-end glued steel fibres as an option to ensure superior performance and durability of the internal slabs. This innovative solution delivered exceptional results.

The AFT®+0960HE fibres, with their increased 0.9mm diameter, provided enhanced rigidity and improved workability within the concrete matrix. During finishing, the fibres naturally sank into the surface, drastically reducing the risk of "pop-out" and resulting in a highly aesthetic, smooth, and "fibreless" finish. The benefits extended beyond appearance.



Project Data

Developer	Fitzpatrick Investments	Concrete Supplier	Gunlake Concrete
Builder	FDC Fit Out & Construction	Fibre Type	AFT®+0960HE
Engineer	Griffiths Engineers	Fibre Density	23kg/m ³
Area	47,000m ²	Completion	October 2024

Project Spotlight



The reduced presence of exposed surface fibres is expected to significantly lower long-term maintenance costs by minimizing surface wear, cracking, and abrasion. Twintec's AFT®+0960HE steel fibre solution not only achieved a flawless finish for CEVA Logistics but also provided a durable flooring system that aligns with the client's operational needs and cost-efficiency goals.

This project achieved remarkable floor flatness (FF) results that far exceeded expectations. The internal floor FF specification was set at 50; however, individual panels consistently tested between 150 and 200 FF—tripling or even quadrupling the required standard.

These outstanding results, delivered by Azzurri Concrete, have positioned the project as a contender for the prestigious global Golden Trowel award.

Twintec is proud to have been the steel fibre of choice, contributing to the exceptional quality and performance of the floors. Following the success of this first warehouse, Twintec has been selected as the steel fibre supplier for the second and third CEVA warehouses within the same development. We are excited to collaborate with our project partners once again and continue setting new benchmarks for quality and innovation in warehouse construction.

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.



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

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

Contact Jack Lauritz (Technical Manager) for further information:

Tel: 0438 618 583
E-Mail: j.lauritz@twintecgroup.com
Büro: South Tower, Level 4
339 Coronation Drive, Milton,
QLD 4064, Queensland, Australia