

Project Spotlight



NewCold Advanced Logistics ASRS Tacoma, Washington

Design and Construction of a 159,200 ft² Twintec Structural Mat Slab on Insulation

NewCold worked together with Fisher Construction Group to build NewCold's first cold storage facility in the US. The building is structurally supported by the racking system which will hold product and run the conveyors supporting the AS/RS (automatic storage and retrieval system). NewCold and Fisher Construction both recognized the long-time experience and leading edge Twintec USA possesses with the design of mat slabs for rack supported building. The use of high tensile strength steel fibers, when incorporated in a specifically adapted

concrete mix, will not only control shrinkage within the concrete body, but will also provide it with the structural properties of heavily reinforced concrete. In addition, the use of advanced steel fiber reinforcement instead of the conventional rebar steel reinforcement allowed for the pouring of large areas in a faster and safer manner. After the completion of Twintec's work, drilling and boring operations to place rails as well as the racking system (AS/RS) were required. Without the presence of potential rebar interferences, a highly efficient erection schedule was rendered possible. The AS/RS system will use tall cranes on rails as well as robotic conveyors to store, move, and retrieve products throughout NewCold's newest high-bay warehouse.



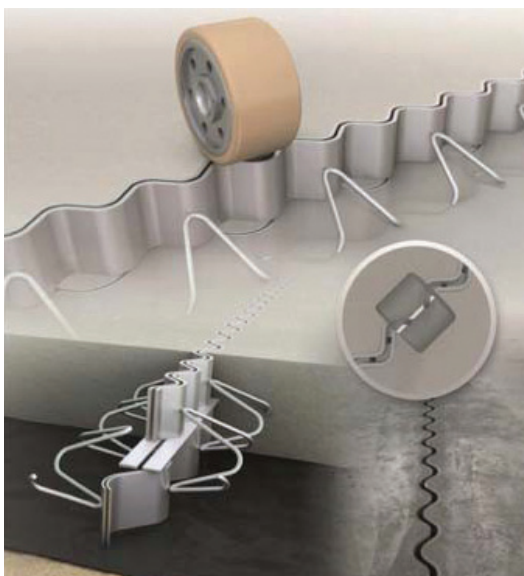
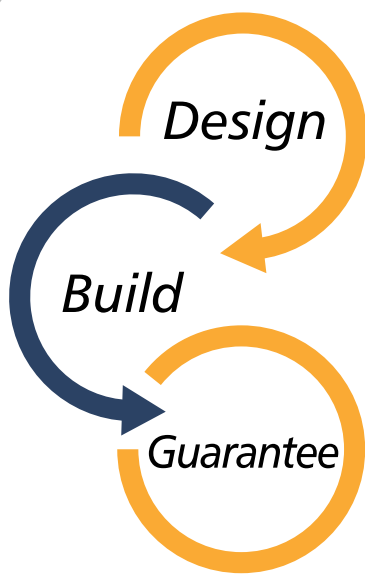
Project Data

End User:	NewCold
General Contractor:	Fisher Construction
Area :	159,200 ft ²
Building Height:	150 ft.
Mat Slab Thickness:	24 in.
Steel Reinf. Type:	AFT2+ at 75 lbs/yd ³
Completion:	May 2017

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Design

Twintec is the leading and only specialty concrete engineering and install firm in the US. At Twintec, we believe our in-house engineering expertise goes a long way in assisting our clients. Twintec has developed the most advanced methods to design structural concrete bodies as applied to both joint-free, reinforced flooring systems and structural flat concrete bodies.

Build

Twintec provides state-of-the-art install operations. Twintec USA crews are professionally trained to the global Twintec standards in terms of safety, quality, and operational excellence.

Guarantee

Twintec provides a unique a 5-year guarantee on their finished FREEPLAN™ products and design build services.

Contact the Twintec USA business team for further information:

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