



PROJECT PROFILE

WÜRTH REVCAR FASTENERS INC.



PROJECT DATA

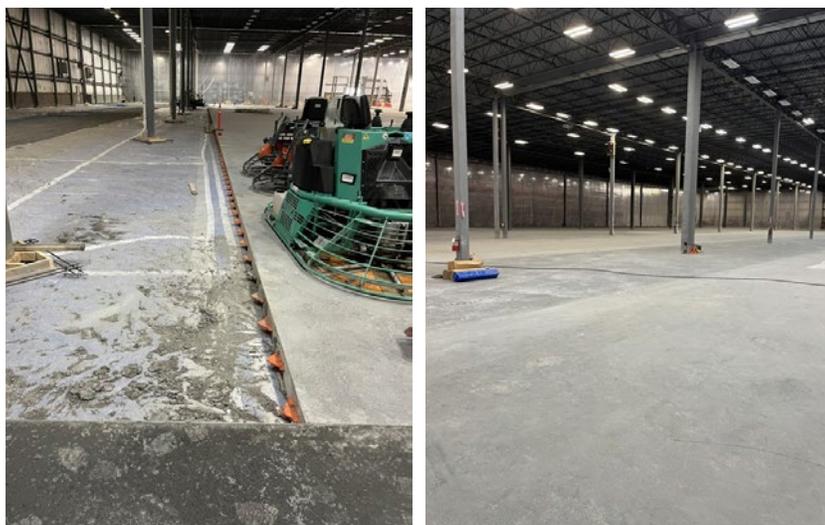
- Location** – Roanoke, VA
- Application** – Fiber Reinforced Concrete
- Ready Mix Producer** – Boxley Ready Mix
- Applicator** – Procon
- Total Area** – 387,558 ft² (36,000 m²)

PRODUCTS FEATURED

- TUF-STRAND™ SF**
Macro Synthetic Fiber

SCOPE OF PROJECT

- Extended joints solution combined with macrofiber for more durability and low maintenance costs during life span.
- Provide material cost savings through less dowels and joint fillers needed.



RUNNER UP
2024 INNOVATIVE FIBER
PROJECT OF THE YEAR
(MACROFIBER CATEGORY)

PROJECT SUMMARY

Würth Revcar Fasteners, a suppliers of fasteners and industrial components to the US Navy and military among other industrial customers, recently invested \$5 million USD in renovations to an existing facility in Roanoke, Virginia. This building is the single largest Würth facility in North America and serves as the new headquarters and primary distribution center for Würth Revcar – Industrial Division. The installation of an extended joint floor in the 387,558 ft² (36,000 m²) distribution warehouse building was a major part of this renovation.

The use of Euclid Chemical's TUF-STRAND SF macrofiber at 7.5 lb/yd³ (4.5 kg.m³) to reinforce the 6" thick slab provided a substantial cost saving to the project and was necessary for the extended joints solution adopted. The combined solution of crack-controlling fiber coupled with a mix design consisting of large coarse aggregates and low shrinkage strain, guaranteed an excellent alternative from the previous design with a more durable and sustainable slab.