Prologis, a global leader in logistics real estate solutions, is expanding their presence along the United States - Mexico border, and in 2018 they built a 227,000 square-foot warehouse in Ciudad Juarez, a booming industrial market. In an effort to create a future-ready, flat industrial floor, Prologis specified the CFS ProSlab™ extended-joint floor system utilizing CFS100-2 Type II steel fibers to reinforce the concrete floors.

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CFS IN THE FIELD
PROLOGIS JUAREZ, MEXICO

PROJECT DESCRIPTION
As the leading provider of industrial warehouse and distribution centers in Mexico, Prologis maintains a strong presence along the U.S.-Mexico border. In 2018, Prologis expanded their properties with the construction of a warehouse in Ciudad Juarez, a vibrant industrial market.

The properties constructed by Prologis house a variety of companies and industries, all requiring high-quality, adaptable spaces for their diverse businesses. As facilities and processes become more automated, the demand for flat, durable floor surfaces with fewer joints increases. The ProSlab™ extended-joint system provides durable, virtually crack-free floors that benefit all current and potential inhabitants of the Prologis properties.

THE OUTCOME
The finished floor is 227,000 square feet. Using the ProSlab™ system, joints were extended to 100’ x 100’, eliminating miles of joints. Prologis lists the advantages of using steel fiber as:

- No rebar to struggle with
- Minimized cracks associated with concrete construction
- Saw cuts reduced drastically
- Concrete does not lose workability
- Floor flatness and levelness not affected
- Increased floor resistance to impact
- Reduced joint maintenance and related costs
- Increased customer satisfaction

PROJECT OVERVIEW
Joint Spacing: 100’ x 100’
Thickness: 6”
Fiber Dosage: 65 lbs/yd

The Juarez project was the company’s initial introduction to the ProSlab™ system. The process was tested by the Mexican Concrete and Cement Institute, and the shrinkage result was 0.035%—even lower than the specified 0.04%.

Due to the success of this project, Prologis utilized the ProSlab™ extended-joint floor system in these projects:
- CIJ15, Juarez, Mexico
- Hartsfield East, Atlanta, GA
- Orlando Airport Park, Orlando, FL
- Airport Distribution Center, Orlando, FL
- Prologis Denver, Denver, CO
- Lockport Bldg 1, Lockport, IL
- Lockport Bldg 2, Lockport, IL
- Prologis Sumner, Sumner, WA
- Tracy 9, Tracy, CA
- Prologis Oakland, Oakland, CA
- Prologis Livermore, Livermore, CA
- 61st Street, Phoenix, AZ
- Interstate 117, Cranbury, NJ (ACI NJ Award for Innovation)