

CFS IN THE FIELD

PROLOGIS JUAREZ, MEXICO



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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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:

CLJ15, 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)