

# Dynamic Logistics, Torna Project



Dynamic Logistics, a leading Pune-based warehouse developer, faced recurrent concrete floor cracking, escalating maintenance costs, and negatively impacting Material Handling Equipment (MHE) functionality and warehouse aesthetics. This issue jeopardized their competitiveness in the logistics sector, where efficiency and appearance are crucial.

## The challenge

The customer needed a flooring solution that could support a load of 8 tons per square meter and handle 6 tons from a forklift. They aimed for a more durable option to reduce maintenance requirements. Furthermore, they sought to accelerate the construction timeline while also minimizing the project's carbon footprint.

## The solution

The solution implemented was SigmaSlab®, a seamless flooring system that integrates the benefits of Dramix®, steel fibers with CCL's post-tensioning technology. This innovative approach eliminates joints, reduces maintenance costs, and meets all load requirements effectively. By decreasing the concrete thickness by 30 mm, we further minimized the project's carbon footprint. Additionally, the

entire floor was cast in a single day, significantly expediting the construction process.

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### Project Specifications

Project type: Warehouse  
Application type: Seamless floor

### Partners

Owner (End Investor): Dynamic Logistics  
Contractor: KAIB Structures Pvt.Ltd  
Engineering office: Bekaert & CCL

