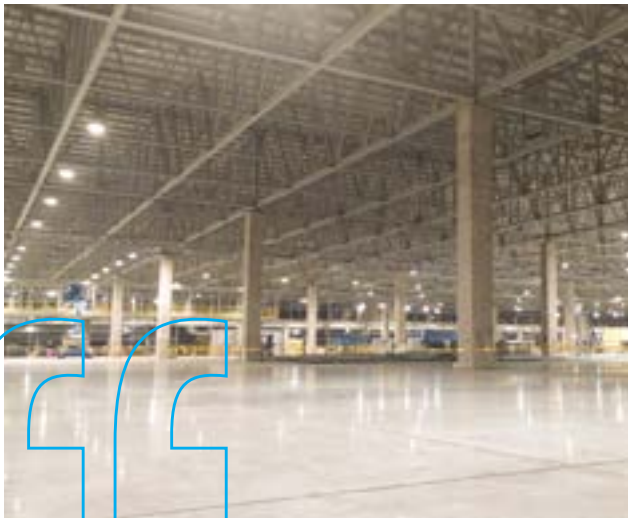


Hyundai



This Hyundai EV Factory stands as a symbol of progress in Indonesia, signaling Hyundai's commitment to the burgeoning electric vehicle market in the country. Spanning 80,000 square meters in Cikarang, this factory represents a pivotal venture for Hyundai in Indonesia. With Takenaka Indonesia, PT overseeing the construction as the general contractor, and IRS Construction as the flooring contractor, the Hyundai EV Factory project posed unique challenges tied to construction time, design requirements, and seamless material supply.

The challenge

The Hyundai EV Factory project encountered multifaceted challenges, prominently focused on construction time, design specifications, and the reliable supply of materials. The urgency of the construction timeline mandated a swift and efficient solution, while stringent design requirements necessitated a high-performance Steel Fiber Reinforced Concrete (SFRC) slab. Additionally, ensuring a seamless and reliable material supply was crucial for uninterrupted construction progress.

The solution

Bekaert's Dramix® Steel Fiber Reinforcement, specifically the 3D 80/60 BG product with a dosage of 20 kg/m³ in a fiber-only application, emerged as the optimal solution to address the Hyundai EV Factory's challenges. The decision to opt for Dramix was influenced by its ability to meet the demanding design requirements for an SFRC slab, ensuring structural integrity for Hyundai's electric vehicle manufacturing facility. Additionally, the proximity to PTBI facilitated seamless material supply,

eliminating concerns related to material availability. The key factor that positioned Dramix ahead of the competition was its ability to align with the tight construction schedule, surpassing alternatives with faster delivery times. Bekaert's supervision services further ensured the successful integration of Dramix into the project, solidifying its role as the preferred solution for Hyundai's ambitious venture in Indonesia.

[construction.bekaert.com](https://www.construction.bekaert.com)

Project Specifications

Project type: Overground
Application: Jointless floor
Product type: Dramix 3D 80/60 BG

Partners

Owner: Hyundai
General Contractor: Takenaka Indonesia, PT
Flooring Contractor: IRS Construction
Ready Mix: Solusi Bangun Beton (Dynamix)

