BEKAERT
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CUSTOMER CASE STUDY

BMW

SAN LUIS POTOSÍ, MEXICO

The BMW Group's plant in San Luis Potosí, Mexico started operations in 2019 with the production of the new generation of the iconic BMW 3 Series. Since then, its operations have expanded to include the manufacture of plug-in hybrid vehicles. Most recently, the plant started production of the new BMW 2 Series Coupé for the global market. The plant is characterized by an innovative production system and the highest sustainability standards. Bekaert played a key role in the construction of the 42,000 m^2 car manufacturing hall in San Luis Potosí that meets the highest specifications worldwide.

The challenge

"All materials and processes had to comply with the stringent specifications and standards of BMW that they insist on for the construction of all its plants throughout the world. These include aspects such as the quality of the floor in terms of flatness and durability, and the overall sustainability of the solution provided

The solution

"Dramix® 3D steel fibers were used as floor reinforcement material for this project. The Bekaert team ensured that all technical specifications set by BMW were fully complied with. In conjunction with the general contractor, the team optimized designs to reduce costs, and worked closely with the construction company that built the floors. Using Dramix® eliminated the need for more expensive and time-consuming traditional reinforcement solutions. At the same time, the thickness of the concrete slab could be optimized, enabling further saving on material and contributing to BMW achieving its sustainability objectives. 160 tons of Dramix 3D 80/60BG were used at a dosage of 20 kg/m^3 to create a slab thickness of 20 cm.

PROJECT SPECIFICATIONS

Project type:
Manufacturing hall

Application:
Saw-cut floor

PARTNERS

- General contractor: Copachisa SA de CV
- Flooring contractor: Aditivos Y Recubrimientos Técnicos (ARTEC)
- Concrete producer: Cemex Concretos

Location: United States

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