



Santiago Bernabéu Stadium renovation:

Hempafire Passive Fire Protection

In an ambitious venture to modernize one of Europe's most iconic football stadiums, the Santiago Bernabéu in Madrid, Hempel's innovative solutions were selected to play a critical role. This extensive project, spanning from 2019 to 2024, involved key industry players such as Horta Coslada and Inbersa, with subcontracted work carried out by paint specialists like ENESA, CISA, and MONCASER, under the supervision of Real Madrid and the construction giant FCC.

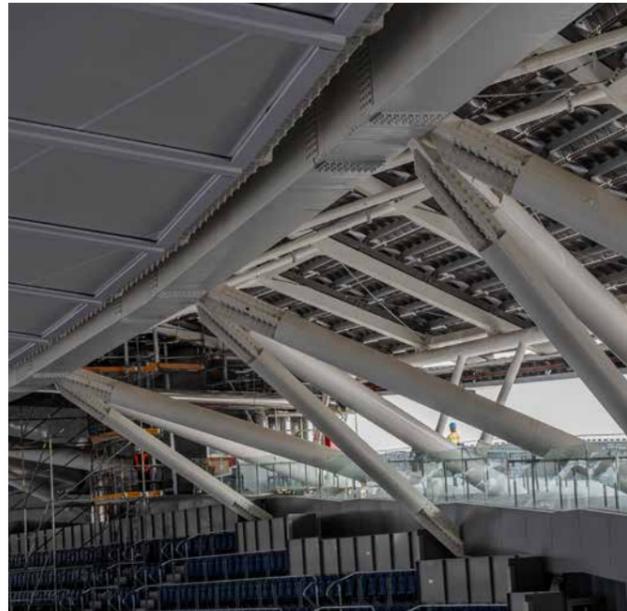
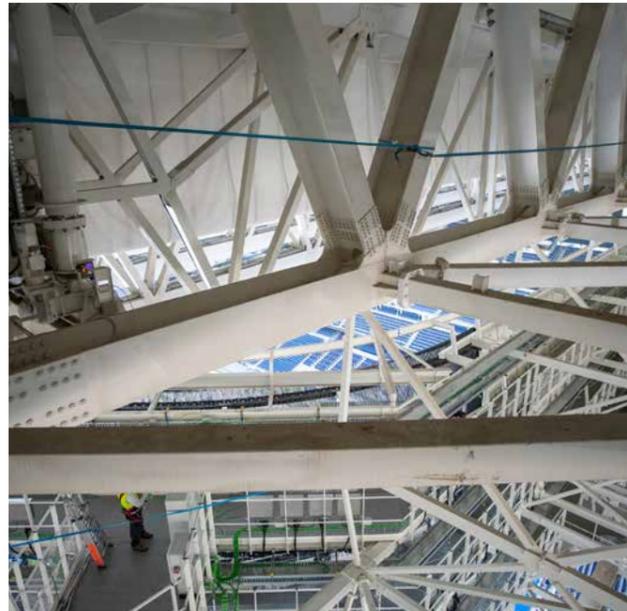
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Enhancing Santiago Bernabéu stadium into the most modern entertainment venue in Europe

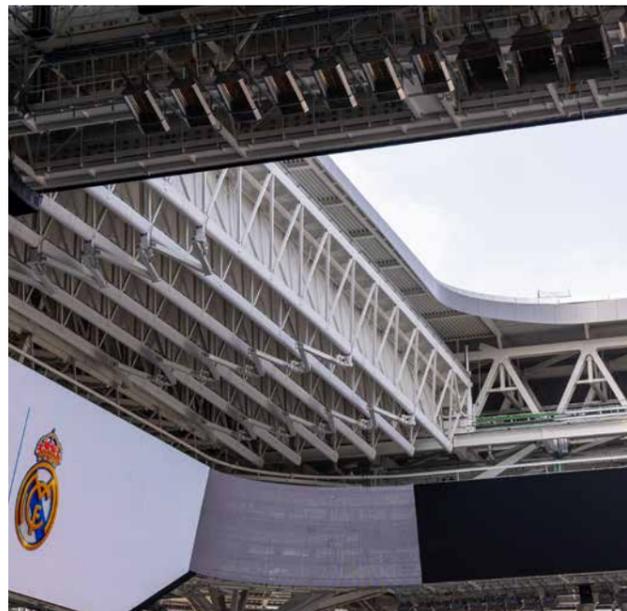
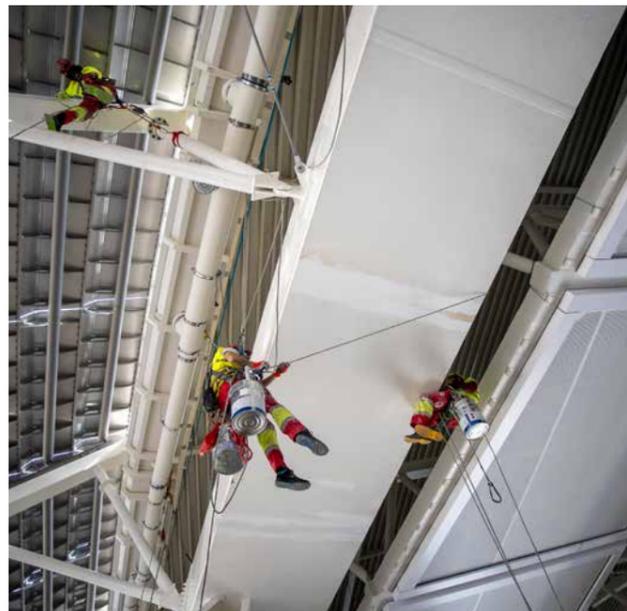
The challenge

The renovation of the Santiago Bernabéu stadium was not just about enhancing its structure but transforming it into the most modern entertainment venue in Europe. This transformation demanded a fire protection solution that met the highest standards of safety and efficiency. The competition was fierce, with major Spanish coating suppliers in the fray.



The solution

Hempel provided a comprehensive passive fire protection system called Hempafire Pro 315, renowned for its accurate dry film thickness (DFT) and exceptional performance in critical fire safety applications. This solution was complemented by Hempadur Avantguard 750 as a primer and Hempathane HS 55610 as a topcoat for the structural elements. The roof cover also utilized Hempadur Mastic 45880 as a primer along with the same intumescent coating and topcoat, ensuring uniformity and the highest safety standards across the entire structure.



Why Hempel?

Our success in securing this prestigious project was attributed to our Hempafire Pro 315 product, which provided the ideal DFT required for the stadium's unique profiles. Early technical consultations and advisories further solidified our value proposition, offering Hempel an edge over competitors like PPG, CIN, and International Paints.

Customer satisfaction

Over the years, Hempel has built a robust relationship with major steel workshops such as Horta Coslada and Inbersa, processing approximately 60,000 tonnes of steel annually. Our long-standing collaboration has been marked by trust in our product performance and the technical support provided during all phases of construction.

“ We have collaborated with HEMPEL in our company’s most important projects over the last 35 years, based on trust in the performance of their products and the comprehensive support provided by their technical and inspection team. This partnership has not only ensured compliance with specific technical requirements but has also demonstrated the durability and performance of Hempel products well beyond standard warranty periods. ”

Carlos Lopez-Palanco, Supervision Team Leader at Santiago Bernabéu Stadium”



Impact

The Hempafire passive fire protection solution has been integral in ensuring that the Santiago Bernabéu stadium meets the current standards and anticipates future safety requirements, affirming its status as Europe’s most advanced entertainment venue. The project not only demonstrates Hempel’s commitment to innovation and safety but also reinforces our position as a leader in industrial and building construction solutions.

Promotion and future prospects

Given the success and visibility of this project, and with client endorsements, Hempel is positioned to leverage this as a significant reference in the market, showcasing our capabilities in high-stakes projects across Europe and beyond.

At a glance

Project details	
Customer name	Real Madrid
Project	Santiago Bernabéu
Year	2019-2024
Project size	350.000 litres
System	Hempadur Avantguard® 750 Hempafire Pro 315 Hempathane HS 55610

