



## Kicking off the football World Cup in style

When the 2014 FIFA World Cup kicked off in Brazil on 12 June, Hempel had already been involved in Brazil's intensive stadium preparation programme for three years. Our work included protecting the steel roofing structures of three stadiums that were specifically built for the event. Arena Fonte Nova in Salvador da Bahia, Estádio do Castelão in Fortaleza and Arena do Grêmio in Porto Alegre all have Hempel coatings that ensure they will remain safe and beautiful for years to come.

The metal structures for the stadiums were manufactured and coated in Portugal before being shipped to Brazil. Our coating system had to protect the steel from the saltwater environment during the ocean crossing and provide long-lasting protection in the Brazilian climate. In addition, all three stadiums had to be built and coated in a short space of time, and the customer choose us due to our ability to deliver an excellent coating system that was quick to apply, as well as dedicated onsite technical service in both Portugal and Brazil.

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### At a glance

Coating system	Hempadur Zinc 17360 Hempadur Fast Dry 15560 Hempathane HS 55610
Application	Airless spray

### The challenge

In preparation for the 2014 FIFA World Cup in Brazil, the host nation spent years building a number of new state-of-the-art stadiums. The metal structures for three stadiums were manufactured and coated in Portugal before being shipped to Brazil and erected onsite. This meant the coating system had to protect the steel from the corrosive salty environment during the ocean crossing, as well as provide long-lasting protection in the Brazilian climate. In total, the roofs of the three stadiums required 6,000 tonnes of steel, which all had to be built and coated in a short space of time.

### The solution

We provided a three-coat system using Hempadur Zinc, Hempadur Fast Dry and Hempathane HS. The system provides excellent corrosion and abrasion resistance, has a superb and long-lasting gloss finish, and is extremely quick to apply. To ensure a fast and efficient coating process, our technical service teams were on-hand in Portugal and Brazil to assist the contractor throughout the coating project.

The results are impressive. The 2014 FIFA World Cup was enjoyed by millions of spectators around the globe and one stadium – the Arena Fonte Nova in Salvador da Bahia – won the 2013 European Steel Design Award, given by the European Convention for Construction Steelwork.



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