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## Innovation, beautiful design and practicality – award-winning ingredients in Prague

## In the words of the ECCS's Steel Bridge Award jury:

"The beautiful design is developed to suit the construction process and carries the heavy loads of tramways, cars, and pedestrians into the heart of Prague. The bridge promotes the qualities of steel by its visible slender structure and elegance. The effective lighting accentuates the expressive form. Troja Bridge is like a sculpture, and a beautiful addition to the city of Prague."

Significant words of praise for a project that for Hempel started like any other, with our coating advisors defining the most appropriate system for the customer's specifications. However, its unique design called for a unique solution and finally a high zinc primer was specified. Our two-component, zinc-rich epoxy primer Hempadur Zinc 17360 cures to a hard-wearing, highly weather-resistant coating and is used as a versatile, long-term primer on steel in severely corrosive environments.

On this occasion, the primer was applied in the workshop before the main steel parts were transported to the site. Following touch-up work in assembly areas, a second primer and intermediate layers were applied using Hempadur Fast Dry 15560, which enabled work to progress smoothly while also reducing the risk of affecting property around the site. Finally, the bridge was roller-coated with Hempathane HS 55610, the fast-dry version of our polyurethane topcoat with zinc phosphate that provides the highest standards of long-lasting colour fastness and dries to touch in just 3 hours at 20°C.

An extra intermediate layer of Hempadur Fast Dry 15560 was used on structural steel parts anchored in concrete, and the entire system was successfully validated in accordance with Ministry of Transport regulations for 30 years' service life and tested in an accredited laboratory for high durability in C5-I environments.





## **Hempel UK Ltd**

Berwyn House, The Pavilions, Llantarnam Park, Cwmbran, South Wales, NP44 3FD Tel: +44 01633 874024 Email: sales.uk@hempel.com hempel.co.uk hempel.com