SteelFlow[®]





Application Opportunity

The Humber Bridge is a single span suspension bridge that was once the longest of its kind in the world. The bridge's surface is a dual carriageway and is designed to tolerate constant motion, bending more than 3 meters in winds of up to 80 miles per hour.

Recommended Product

Due to the complexity of the requirements, SteelFlow was the ideal material choice for this application. Using SteelFlow meant that the original surface could be milled to a depth of just 15mm. The location required to be resurfaced was a section with high-speed breaking, so SteelFlow was coupled with a polymer bond coat to ensure optimal performance in order to withstand these conditions.

Results and Benefits

The material has been monitored as part of our in-house Grip Test Programme. Installed in 2017, the Humber Bridge has an average of 33,000* vehicles crossing daily and results show that SteelFlow continues to maintain its SCRIM values.

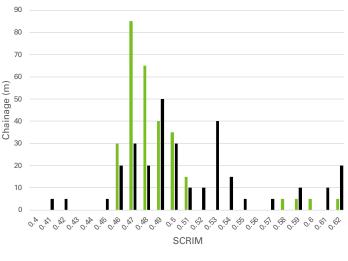
*Figure taken from www.humberbridge.co.uk

Carbon Data

Product	Carbon Footprint Kg CO ² e/ tonne*	Average Surface Course Kg CO ² e/ tonne*	Carbon Benefit Kg CO ² e/ tonne	Carbon Benefit %
SteelFlow	42.3	53.3	11	20.6%

*Value based on SteelPhalt verified EPD tool

SCRIM Data



■ 3 month ■ 5 year