



### 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](http://www.humberbridge.co.uk)

### Carbon Data

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

\*Value based on SteelPhalt verified EPD tool

### SCRIM Data

