Project

The Swale Crossing was built to connect the Kent mainland with the Isle of Sheppy in south east England, linking the M2 and M20 motorways with Sheppy via the A249.

The bridge is approximately 1,300m long, 21m wide, and its highest point stands 31m above ground level. The longest span is 92.5m as it crosses the Swale estuary, the old existing A249 and the local railway line.

The bridge is constructed from numerous I-section girders and cross beams and 15% of the steel came from recycled sources as this was an important aspect of the project.

All steelwork was fabricated and painted at the Mabey Bridge facilities in Chepstow, South Wales then transported to site in Kent for erection although minor repairs and field joint repairs were carried out at site.

Sherwin-Williams was asked to supply an anti-corrosion coating system for the project that would satisfy the Highways Agency specifications.

**Substrate:** Steel blast cleaned to Sa3.

**Requirements:** 20 years external corrosion protection to the structural steelwork.

**Specification:** TSA (thermally sprayed aluminium), Transgard™ TG159, Transgard™ TG111V2, Transgard™ TG112, Acrolon™ C137V2.

**Area Coated:** Approximately 14,000 tonnes of structural steel.

**Customer:** Mabey Bridge (applicator), Carillion (Main Contractor), Highways Agency (client).
System

Sherwin-Williams worked with Mabey Bridge to deliver a paint system that could be applied in-shop to help maintain productivity whilst providing the long-term anti-corrosive properties that would be essential for this type of project.

Sherwin-Williams offered full specification/technical and practical advice from the early project stages and carried out regular shop and site visits throughout the project to ensure completion on time to the satisfaction of all interested parties.

<table>
<thead>
<tr>
<th>Product</th>
<th>Highways Agency item number</th>
<th>Product type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transgard™ TG159</td>
<td>HA Item No. 159</td>
<td>Primer/sealer</td>
</tr>
<tr>
<td>Transgard™ TG111V2</td>
<td>HA Item No. 111</td>
<td>Zinc phosphate primer/buildcoat</td>
</tr>
<tr>
<td>Transgard™ TG112</td>
<td>HA Item No. 112</td>
<td>Epoxy MIO buildcoat</td>
</tr>
<tr>
<td>Acrolon™ C137V2</td>
<td>HA Item No. 168</td>
<td>Gloss acrylic urethane topcoat</td>
</tr>
</tbody>
</table>

The Sherwin-Williams Difference

By putting our customers first, we know that the innovation, imagination, research and development we put into each and every product will be worth it. You are at the centre of our thinking wherever we operate around the world across five continents whether it is advice, specification or on-site inspection. You are the reason we exist. This is the Sherwin-Williams difference.

To learn more, contact us

Europe, Middle East & Africa: +44 (0)1204 521771
North America: +1 800 524 5979
Asia: +8 621 5158 7798
sales.uk@sherwin.com
www.sherwin-williams.com/protectiveEMEA

©2016 The Sherwin-Williams Company
Protective & Marine Coatings
03/16 EMEA0149/V03
TM = is a registered trademark in one or more countries.