

Case Study

South West Trains

Desiro Class 450

Train Roof Refurbishment

These Class 450 trains roofs were showing signs of fading after time in service. A long term encapsulation system was required that would provide high levels of impact resistance as well as good levels of colour stability.

3M™ Scotchkote™ Encapsulation Coating Polynox 136 acts like a water proof membrane, to prevent the ingress

of water. Polynox 136 is a single component flexible encapsulation material. Being waterborne, it is safer to use and handle than traditional solvent based products and offers many benefits:

- Excellent impact resistance
- Outstanding long term corrosion protection
- Simple to use non-hazardous system
- High build, fast drying
- Excellent flexibility and elongation
- Unaffected by climatic changes
- Excellent limited fire hazard performance
- Easy touch up and depot repair procedure

The work to recoat the train roofs was carried out at Strawberry Hill depot by Siemens.



This application was carried out using product under the Copon brand. Following the acquisition of the company by 3M, all products are being rebranded 3M™ Scotchkote™.