



Case study

Body in White building, Castle Bromwich

Client: Jaguar Land Rover

Main Contractor: Interserve Construction

Cladding contractor: Roofdec

Tata Steel products: Trisomet® 120mm insulated roof panels; Trimapanel® micro-rib 90mm insulated wall panels; Colorcoat HPS200 Ultra® pre-finished steel; Colorcoat Prisma® pre-finished steel

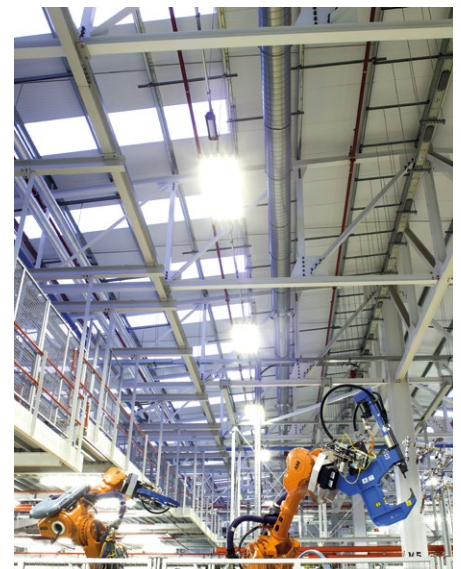
Year: 2014

Home of the iconic Jaguar Land Rover brands, the Castle Bromwich car manufacturing plant covers an area of 100 acres.

The site's latest extension was a 60,000m² manufacturing facility to provide a modern, highly automated, energy-efficient and flexible place of work.

The Body in White facility is where painting and final trim and assembly for the prestigious Jaguar XJ and Jaguar XF models takes place.

It is here that each individual vehicle body will be painted to the required colour and specification before assembly and fit-out ahead of being despatched.





THE HOME OF
JAGUAR MANUFACTURING



The challenge

The project had to be delivered with the highest level of attention to services and detail required for the delivery and construction of the new Body in White facility.

Tata Steel has a long established working relationship with Jaguar Land Rover based on supplying products of the highest standard. As with all Jaguar Land Rover projects, the key factors on this job were ease and speed of installation and the very precise lead times Tata Steel can achieve.

The solution

A fast, consistent and efficient cladding installation was a top priority and Tata Steel's Trisomet® and Trimapanel® micro-rib insulated panel systems were specified for the building envelope. Manufactured in Shotton, North Wales, the panels are produced to the tightest tolerances and cut to bespoke lengths within the factory, arriving on-site on time and ready to install providing a quick build time.

The bespoke insulated panels require less on-site handling, which results in a more efficient construction programme, with minimal disruption to operations, and less wastage.

Tata Steel's high quality Trisomet® 120mm insulated roof panels manufactured from Colorcoat HPS200 Ultra® in Goosewing Grey

Tata Steel products:

Trisomet® and Trimapanel® insulated panels have been developed as one-fix construction components. This ensures fast and consistent installation and performance.

Made in the UK, Trisomet® and Trimapanel® were the first foam insulated panels to be certified to the BES 6001 responsible sourcing standard. This provides independent evidence of our corporate responsibility and helps the customer increase their credits under the Responsible Sourcing of Materials section of BREEAM.

Colorcoat HPS200 Ultra® pre-finished steel is suitable for many different construction applications. Designed to withstand the most demanding and aggressive environments, it is available with the market-leading Confidex® Guarantee for up to 40 years for the weather side of industrial and commercial buildings – with no inspection or maintenance to maintain its validity.

Colorcoat Prisma® pre-finished steel provides an optimum combination of aesthetics and durability. It is available in a wide range of popular colours with a Confidex® Guarantee for up to 30 years.



and Trimapanel® micro-rib 90mm insulated panels manufactured from Colorcoat Prisma® in Silver Metallic were used to clad the exterior of the building and provide a thermally efficient, high quality air tight structure. These one-fix pre-fabricated components were key factors in achieving a fast and efficient cladding programme.

Ease of installation was crucial, as Interserve Construction Design Manager Chris Owen corroborated, "The erection programme was challenging due to the restricted access around the site and its unusual configuration as the building wraps around the existing press shop and tool room extension."

"By using Tata Steel's insulated panels we benefited from having fewer items to lift on-site. The beauty of the panels pre-cut to our required lengths is that they can be installed much quicker with less on-site handling and waste," says Mr Owen.



"We have worked closely with Jaguar Land Rover for many years and they know that we pride ourselves on care and attention to detail, which ensures we are able to meet precise delivery times required on their construction programmes," adds Tata Steel UK Business Development Manager John Clark.

For more information on our entire product range and design advice please contact a member of our design team on +44 (0) 1244 892199 or email technical.theworks@tatasteel.com

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