

JAGUAR LAND ROVER PRESS SHOP EXTENSION, HALEWOOD TATA STEEL



Jaguar Land Rover, the UK's leading manufacturer of premium vehicles has undergone a multi-million pound investment in a state-of-the-art press line at its Halewood operations near Liverpool.

As part of this investment work Jaguar Land Rover needed to extend its car manufacturing operation at the site in order to house a new stamping machine. Installing this machinery required major reconfiguration of the Halewood press shop. A steel-framed vertical addition was added to the existing building.

The press shop bay extension which measures approximately 120m x 28m has increased the footprint of the facility by almost 50 percent as well as adding an extra 12m of headroom to accommodate the new machinery.

The challenge

Jaguar Land Rover's Halewood facility is one of the most flexible, advanced automotive manufacturing facilities in Europe, producing high quality Jaguar Land Rover vehicles in over 170 countries. The press shop works 24 hours a day, seven days a week and feeds body shops across Jaguar Land Rover's network of plants.

In light of this, key factors for this project, in terms of product selection were the restricted access and complexity of the build, which had to be completed in and around a 'live' manufacturing plant.

The solution

A fast, consistent and efficient cladding installation was a top priority for the press shop and the system specified was Trisomet® insulated roof and wall panels, manufactured using Colorcoat HPS200 Ultra® in Goosewing Grey for the external side and standard White liner for the internal face.



The cladding was installed by IRC Carocelle who constructed the extension's envelope using Tata Steel's high quality Trisomet® 60mm insulated panels for the wall and Trisomet® 80mm insulated panels for the roof.

These one-fix pre-fabricated construction components have been developed to offer fast and consistent installation and performance. Made to measure, they are designed to reduce the need for further processing on site. The high quality lightweight insulated panels are ideal for a number of applications, but are particularly suitable for projects where speed and confined working space are key factors.

“One of the main reasons for specifying Tata Steel's insulated panels was their ease of installation on site. The Trisomet® panels were made to order which enabled a much faster cladding installation, reduced on-site materials handling and less on-site waste”, said IRC Carocelle managing director Steve Holder.

The wall panel, with its improved span characteristics, helped reduce the amount of steelwork required, softening the impact on the building's carbon footprint. The standard pre-finished steel liner in white also provided a brighter internal environment for employees to work in, as well as reducing lighting costs.



“The site restrictions associated with a working facility, coupled with a fast-track contract timescale, dictated the requirement for a robust, quality product guaranteeing unhindered site productivity,” adds Mr Holder.

“Working closely with Tata Steel we were able to stagger the delivery schedule ensuring any disruptions to the daily operational requirements of the client were kept to an absolute minimum.”

Tata Steel’s Trisomet® insulated roof and wall panel system installed at the Halewood press shop played a key part in providing Jaguar Land Rover with a highly insulated, weathertight facility that will see them continue to product Jaguar Land Rover vehicles for many years.

Client: Jaguar Land Rover

Main contractor: Steel Construction Limited

Roofing and cladding contractor: IRC Carocelle

Tata Steel products: Trisomet® insulated roof and wall panels manufactured in Colorcoat HPS200 Ultra® pre-finished steel in Goosewing Grey

TATA STEEL

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