



Case Study

Project:

Leeson Polyurethanes, Leamington Spa

Architect:

Zebra Architects Ltd, Worcester

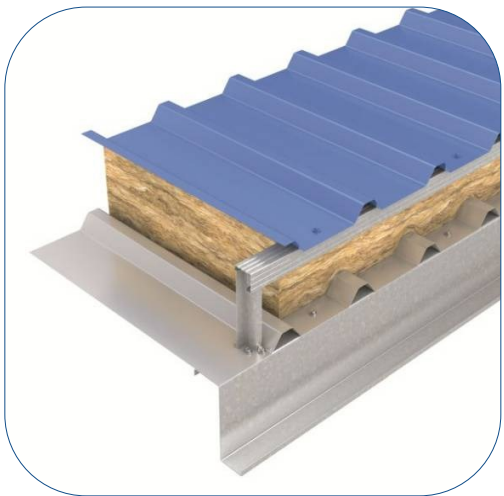
Main Contractor:

Interclass PLC, Wombourne

Specification, Roofing:

Tata Trisobuild Roof Systems, RWL.

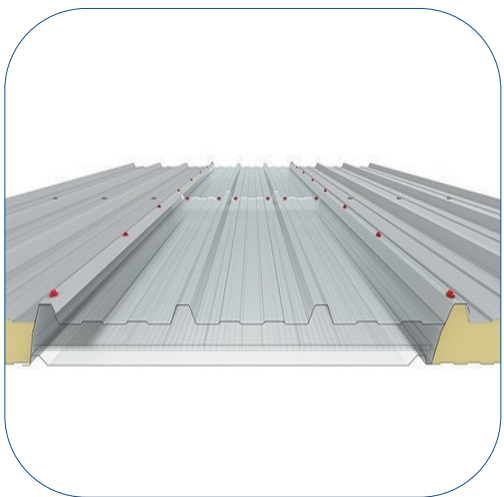
BRooft(4) fire performance & 0.11 U value



Specification, Rooflights:

Tata Triple Skin Rooflights. 5.3 & 10.6m lengths.

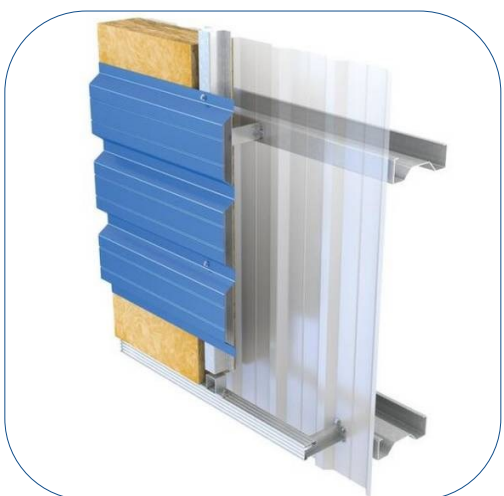
1.6 U value



Specification, Wall Cladding:

Tata Trisobuild Fire Wall Systems, FV60V & FW60H.

60 minute fire performance & 0.22 U value



1Eighty Roofing Solutions Ltd



Project Description:

Leeson Polyurethanes Facility was consumed by fire on 27th August 2021. When planning for a complete rebuild, the client placed significant emphasis on **robust fire performance and quality.**

Our role:

1Eighty selected by interclass to provide design support & supply and install all new metal roof & wall cladding.

Whilst the clients specifications were focused on fire performance, elements of the specification added cost whilst not improving performance or quality, **cost effective alternatives with equal performance were identified by 1Eighty** and subsequently included within the design & construction.

Tata Trisobuild RWL roof cladding system was selected. This included a 32/1000 0.7mm steel profiled liner sheet with sealed joints, the Tata instaloc bracket system, 360mm high, & 360mm deep Euroclass A1 rated thermal insulation from Superglass. These external sheet was a 32/1000 0.7mm profile finished in Tata Colourcoat LG Albatross. The system benefits from a 25yr coating guarantee & certified **BRooft(4) fire performance.** Incorporated into the roofing were Tata Triple skin polycarbonate rooflights, equating 10% of the roofing area.

Tata Trisobuild Firewall systems in vertical and horizontal application were selected. These systems incorporate the same components as roofing application, with the expectation of insulation, Mineral wool insulation 200mm thick was selected. This specification achieve **60 minute integrity and 240 minute insulation fire performance**, whilst delivering 0.22 U value.

For more information on this project, or specification please contact one of the team on Sales@1-eighty.co.uk

