



**FLATROOF DESIGN
AND TECHNOLOGY**



FDT and SPV Special Projects put speed and performance in driving seat for Bosch STAND G115, HALL 5

Speed, smooth running, and maximum product mileage were top priorities when motor manufacturing giant Bosch asked FDT to help re-roof the hub of its world-wide alternator production.

Refurbishment of the 30,000 sq m roof at the company's Cardiff manufacturing plant - the largest re-roofing contract undertaken by FDT - meant a tight 12-week schedule and zero-level disruption. It was essential the 1,000-strong workforce continued production round the clock throughout installation work.

Rhepanol fk, the world's most advanced single-ply roofing membrane, with unmatched environmental credentials and innovative self-sealing edge, was specified to provide a watertight solution at the busy plant.

PIB-based Rhepanol is 70 per cent natural material and is the only single-ply membrane with the unique independent Life Cycle Assessment rating of DIN EN ISO 14040 part ff – proof of its excellent durability and low energy consumption, low emissions and low pollutant qualities from cradle to grave.

The existing roof was Durox lightweight concrete with a layer of felt, fibreboard insulation and a felt waterproofing system. Rhepanol fk was laid over the concrete decking and mechanically fixed, without the need for any hot works, using Gripfix, FDT's unique hook-and-loop fixing strip.

Despite poor weather conditions, installation work was completed within the strict timeframe without any disruption to the 24-hour alternator production schedule. The

work was undertaken by cladding specialist SPV Special Projects, experts in construction “facelifts”. SPV Special Projects is actually a consortium of companies specialising in the design and build refurbishment and regeneration of large-scale commercial buildings including hotels, schools, office blocks and shopping centres.

- For more information about FDT products and services ring **01509 505714** or visit www.single-ply.co.uk
- **For more information about SPV Special Projects visit www.spvspecialprojects.com**

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Notes to editors:

1. SPV Special Projects

SPV Special Projects was founded in 2008 when a consortium of like-minded companies joined forces to create a specialist technical and design service for working with ‘faces’. All of the component companies are well established and have an excellent track record within their respective fields. While the main contractor is SPV Group, other partners include St Germain Weber, Ash and Lacy and Satellite Architects, among others. Driven by a desire to go back to ‘old fashioned values’ - by way of championing the importance of communication and collaborative working - the team draw on their individual areas of expertise to address specific project requirements.

2. FDT’s origins date back to 1873 in Mannheim, Germany, with the manufacture of products from celluloid and synthetic materials. It created its first roofing membrane in 1935. It has since sold more than 200,000,000sqm of membrane worldwide.

3. FDT’s UK headquarters are in Shepshed, Leicestershire. Flagship projects include Istanbul’s 70,000 sq m M1 Meydan Umraniye shopping and complex, the largest green roof of its kind in the world. Projects in the UK include the Royal Navy fleet HQ in Portsmouth; the 16-hectare PFI Hadley Learning Community complex in Telford; Bosch’s manufacturing facility near Cardiff and the Neolithic village of Skara Brae, a world heritage site in the Orkneys.