

TCRC Case Study: Private Residence, Charlton Kings



Complete Roof Upgrade for Contemporary Domestic Property

This modern domestic home had been suffering with major condensation issues, caused by poor installation from previous roofing contractors.

Following a thorough roof survey and condition report, TCRC were selected to completely strip the existing roof membranes, replace the existing deck and then install a fully insulated warm roof system.

Condensation-Free Roofing Solution

The chosen solution for this building was a Bauder Total Roof System installed to meet Part L of the Building Regulations. This BBA certified bituminous roofing system is suitable for a variety of applications on both new build and refurbishment projects and can be used in warm, cold and inverted roof scenarios. It also conforms with the NFRC's Safe2Torch standards and meets current UK Building Regulations Part B for external fire protection. The complete system comprised of a new 18mm WBP plywood deck, Bauder KSA Duo Self Adhesive Vapour Control Layer, 140mm Bauder PIR FA-TE Insulation, Bauder Sprint Duo Self-Adhesive Underlay and Bauder K5K Torch-On Cap Sheet.

Innovative Solar Photovoltaic Installation

This project also included the installation of a non-penetrative ballasted photovoltaic energy roof system. In addition, this was the first project in the UK to feature unique Sonnen battery technology which enabled the home owners to retain and return power to the building, providing exceptional value for money.

In summary, thanks to quality workmanship from TCRC's Operatives and state-of-the-art waterproofing and solar products, this was a highly successful project which solved the Client's ongoing problems and provided a long-lasting, reliable solution. The installation was supported by a comprehensive 20 year warranty from Bauder who signed off the project without any issues every step of the way.

Project Name: Private Residence

Location: Charlton Kings, Gloucestershire

Products: Bauder Total Roof Waterproofing & Bauder Solar PV System

