

CASE STUDY

Roof Refurbishment

MAKERS

...makes the difference

PROJECT

Ramada Ironbridge Hotel,
Telford

STRUCTURE

Roof

CLIENT

Wyndham Hotels and Resorts

CONTRACT



Makers Construction have successfully completed an exciting roofing project at the Ramada Ironbridge Hotel located in Telford. The project saw Makers Roofing Division renew and waterproof 300m² of single-ply membrane with a quality Polyroof Protec liquid coating.

Firstly, Makers conducted a fully comprehensive roof survey to assess the issues with the roof. The client had already informed Makers that the roof was leaking into the bedrooms below. This meant these rooms were not able to be used, reducing the hotels capacity. From the survey Makers recognized a number of roof areas that could be causing leaks. Whilst the current single-ply membrane was failing, it was determined that overall, the membrane could be overlaid; saving the client expensive strip out costs.

Once Makers operatives started on site, the roof was cleaned to remove any dirt and debris. This involved utilising high-powered jet washers to eliminate the worst of the grime.

The roof area is home to numerous air handling units that service the hotel below. The installation of these machines had compromised the waterproofing integrity of the roof by penetrating the upstands with wire cavities. To combat this issue, Makers installed marine-grade timber boxes around these penetrations to ensure no water could enter.



Before



Before

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Before



Before



During

For the main liquid waterproofing membrane Makers selected the quality Polyroof Protec System. Protec is a highly versatile, fast curing, fully reinforced cold liquid applied membrane system ideal for a wide range of roofing and waterproofing applications. This system involves the Polyroof SP Primer first being laid, to prepare all surfaces for the main waterproofing. The system consists of an embedment coating layer, fully fleeced with the Polymat 450 reinforcement to strengthen the system. A top coat was then installed to further boost the waterproofing performance. The Protec System was perfect for use in this installation as it can be applied to a range of differing substrates making it ideal for an overlay. This liquid creates a seamless waterproofing solution with no joints or weak points.

The complexity of this project was compounded due to the Covid-19 restrictions imposed by the UK Government at the time the works were taking place. These restrictions required Makers competent HSQE Team to organise and implement Covid-19 policies and procedures. It was of paramount importance that the procedures were in-line with government regulations, that primarily kept Makers on-site staff and members of the general public, including hotel guests and staff, safe. This involved Makers planning works to meet social distancing guidelines, on-site staff taking staggered breaks and routine covid testing. Whilst these conditions were not ideal to work in, this demonstrates the importance we place on site safety, ensuring the project was conducted in a way that protects all stakeholders.

Makes Construction are a fully approved Polyroof installer, with many years work with the system. In this instance Makers achieved the client a 20-year warranty. The roofing works ensured that the leaks into the rooms below were eliminated and the hotel could be fully operational again.



After



After



After

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