

CASE STUDY

Roof Refurbishment

MAKERS

...makes the difference

PROJECT

StarCity, Birmingham

STRUCTURE

Roof

CLIENT

StarCity

CONTRACT



StarCity is one of the Midlands' premier family leisure and entertainment venue only 10 minutes from Birmingham City centre just off Junction 6 on the M6.

Opened in July 2000, this former derelict industrial land was developed as part of a regeneration scheme for the Heartlands area and to change Birmingham's image for the 21st century. Its centrepiece is the 30-screen Vue cinema, at the time the largest cinema in Europe and originally opened as Warner Brothers Cinema. With some 392,000 square feet (36,400 m²) of leisure space, it is one of the largest leisure complexes in the United Kingdom.

Home to:

- One of Europe's largest Cinemas
- England's largest Indoor Adventure Golf Complex
- A 22 lane Ten Pin Bowling Alley
- A purpose built all-weather 5-a-side Football Centre
- 17 Restaurants

Being 20 years old the roof areas are showing major signs of degradation and fatigue. The worst of these areas was over the Head Office of Genting UK PLC. A very Important tenant experiencing major leaks.

During the initial survey carried out by Makers, many areas of missing/crushed insulation were Identified along with a very large amount of failed patch repairs.



Before



Before

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Registered in England No: 6348341 Registered Office as above.



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Before



During



During

As Makers were not carrying out a refurbishment to the entire roof area in one phase Triflex's Protect PMMA fully reinforced cold applied liquid system was selected. One of the many benefits to this system is its ability to "self" terminate. Therefore, it can be used to patch repair and carry out smaller areas of a larger roof. Many liquids on the market have to be taken to a termination point, usually an upstand.

Heavy organic growth was treated with a Bio wash, this is a surface biocide that has been formulated as an effective cleaning treatment of microbial contamination such as moss and algae prior to the application of a liquid coating system. Once this treatment was completed, the entire roof area was jet washed to remove all embedded dirt from the existing single ply roof, great care was taken by the Makers operatives to ensure that the jet washing process did not exacerbate the water ingress issues.

In the areas of failed/missing insulation the single ply was cut out and removed, insulation removed, new insulation and carrier membrane installed ready to accept the new Triflex system. Whilst the first coat was still wet the Triflex reinforcing fleece was added and "rolled in", this was then fully encapsulated by the second coat, Makers reinstated the roofs walkways using Skid Inhibiting Grit.

Due to Triflex's Protect PMMA ability to be used in very cold conditions, this work was carried out over the winter period, Starcity have been with zero leaks and a happy client. Another quality install from the Makers Team and Triflex.



After



After



After

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