

# CASE STUDY

## Shopping Centre Roof Refurbishment

# MAKERS

...makes the difference

### PROJECT

Intu Lakeside

### STRUCTURE

Shopping Centre

### CLIENT

Intu Retail Services Ltd

### CONTRACT



Intu Lakeside is a large out of town Shopping Centre located in West Thurrock, Essex. It provides tenancy and a great location to many of the major retail brands such as Debenhams, Marks & Spencer, and Primark just to name a few with a footfall of over 20 million a year.

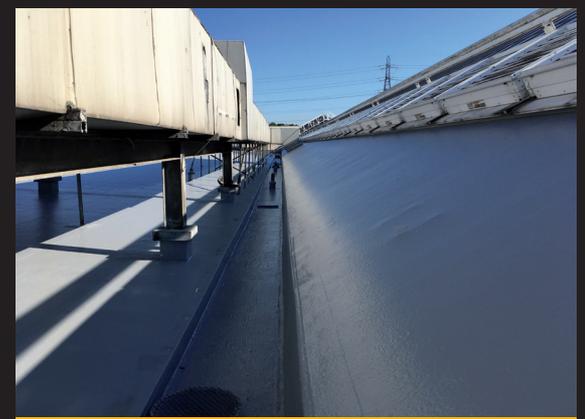
It opened in 1990 and the originally installed roof was proving its age, having suffered from regular leaks and having repeated patch repair over the years, the roof continued to leak into shopping centre stores below.

Makers Construction were instructed to carry out a dilapidations survey and report of the roof which was single ply system laid over a metal deck. After many years of trying to repair the single ply system, the client decided on a full refurbishment with the inclusion of new walkways installed to highlight the safest route throughout the roof and provide a reinforced surface.

Communication was key to this project as it was a constant live site for many tenants, so Makers Construction communicated with store managers to ensure the smooth coordinated and safety of many other contractors; heating & venting engineers, gas engineers and service contractors who had direct contracts with the tenants below.



Before



After

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### Association Membership



### Accreditations



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Existing



Wet Clean



First & Second Coating

The roof was treated to a dry clean to remove debris and loose dirt and then underwent a jet wash process to ensure all surfaces were clean and responsive before priming for the coating systems being used.

The client chose the Sika LPL Decothane Ultra system. The benefit of this system is that it's a low odour component and its application method of incorporating 2 separating colours ensures correct coverage and application; the base coat of Shale Grey followed by the lighter Cloud Grey top coat.

With all the plant and equipment installed on the roof this project involved working in confined areas beneath plant equipment and through walkways. Consequently, special attention was given to all the strategic weak points including upstands, drains and gutters ensuring these areas were totally reinforced and water tight.

Walkways and direct access routes linking the elevated plant platforms were completed in the Sika LPL Walkway System which was Red Quartz to provide a dedicated route.

This roof refurbishment consisted of 14,000m<sup>2</sup> which equated to using over 4,000 tins plus supplies so Makers Construction introduced a specialist platform and trolley system to allow for quick movement of supplies on to and off the site. This greatly reduced manhandling and was a significant way of improving time efficiency.

Makers Construction are a Sika LPL Approved Installer which enables Makers to provide the client with a 20-year guarantee on works and products installed.



After



After



After

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