

CASE STUDY

Flat Roof Refurbishment

MAKERS

...makes the difference

PROJECT

53 Wade Street, Lichfield

STRUCTURE

Commercial Offices

CLIENT

Leavesley Group

CONTRACT



Makers were asked to carry out a roof inspection by an existing client at 53 Wade Street, a block of commercial offices set in the centre of Lichfield, one of the smallest city's in the UK. The tenants leasing the top floor offices were experiencing numerous leaks causing major damage to computer equipment. The roof had previously been patch repaired but these had now failed, the only solution was a full refurbishment to give the client piece of mind.

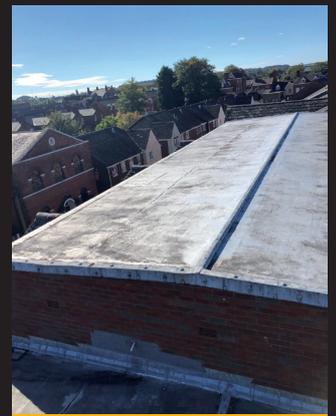
Makers Construction are at the forefront of cold applied liquid coatings and we believe where possible these offer the best performance and value for money over traditional membranes. However on this occasion during the surveying process we quickly realised that liquid on this occasion wasn't the answer due to the logistics of the project but we wanted to maintain our stance on " No Hot Works "

We needed a high performance, quick install system that would offer a good guarantee and importantly a small amount of kit required to install.

- DuoPly™ EPDM membrane is comprised of a EPDM laminated to polyester reinforcement layer.
- Improved tear resistance, 180% greater than comparable non-fleece reinforced flat roof membranes.
- Provides 40% greater puncture resistance than comparable non-fleece reinforced roofing membrane
- Less roofing material to load onto the roof, finished installation of under 2 kg/m²
- Fast and reliable installation and no open flames on the roof.
- External fleece reinforcement creates a very thick 2.54mm sheet
- 34% fewer seams than Modified Bitumen with DuoPly™ 1.52m wide EPDM Roofing membrane



Before



Before

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Flue Detail - Before



Flue Detail - During



Flue Detail - After

The existing roof covering was split and cracked in places and had a solar reflective finish, DuoPly was the best option in this instance. The polyester lining acts as a cushioning layer which prevents abrasion problems and keeps small imperfections or ridges from coming in contact with the membrane. Specifically designed for use over minor imperfections, splits or ridges that may have formed in the existing roof system. The tough fleece reinforcement on DuoPly™ provides excellent protection for the roofing membrane even on rough substrates. The 1.5m wide rolls giving fewer seams and faster installation than traditional felt roofs. Before any work could commence Makers ensured that all necessary health and safety mechanisms were in place. Once the existing waterproofing was cleaned the work could begin. The Makers operatives created new detailing around the existing flue pipes to guarantee a leak free finish. The new DuoPly membrane was installed using a spray adhesive, once completed the edges were finished using a GRP trim and the lead barge flashings were re-dressed on to the roof.

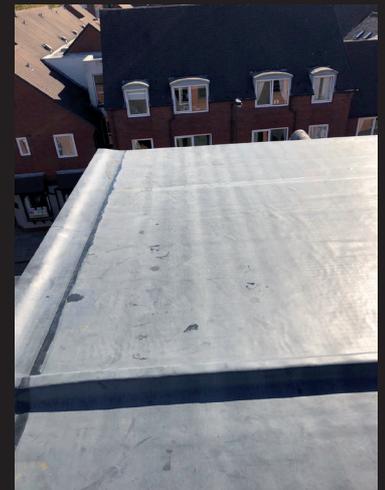
The client was thrilled with not only the finish but Makers ability to deliver what we promise !



After



After



After

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