

## CASE STUDY



### Paterson Building, Manchester

A comprehensive below ground waterproofing solution was required for the state of the art Paterson Building in Manchester



## THE CHALLENGE

In 2018, the University of Manchester, Cancer Research UK and The Christine, announced plans for future of the Paterson building site at The Christine on Wilmslow Road.

Together they decided to build and develop a new world-class transformational research facility bringing together the largest group of scientists, doctors and nurses in Europe.

By 2030, the Paterson building will be at the centre of ambition to lead the world in clinical trial recruitment – supporting

the advancement of new and kinder cancer therapies.

The new facility is set to be twice the size of the original Paterson building which was significantly damaged by fire in 2017.

Cast Contracting Ltd (CCL) were contracted for the design, supply and installation of the basement waterproofing, working jointly with PUDLO Waterproof Systems (DB Group), Cidon Construction and Vinci Construction UK Limited.



## THE SOLUTION

Cast Contracting Ltd. (CCL) worked closely with PUDLO and Cidon over the design, specification and construction of the basement structure. CCL & Cidon utilised PUDLO's design services throughout the project, whilst CCL were able to react within Cidons intense construction program.

CCL installed PUDLO Membrane BW (Sodium Bentonite waterproofing system) to the secant piled walls and concrete blinding.

PUDLO Waterproof Concrete was then installed to the retaining wall and basement slab.

Given the end nature of the structure, an additional internal drainage channel has been designed at the wall/floor junction to ensure a Grade 3 habitable environment is provided internally.

We were working in challenging environments due to Covid and timescales onsite with minimal storage onsite this meant deliveries had to be scheduled just in time.

We communicated with following trades to ensure the membrane wasn't damaged, and the highest installation quality could be upheld.

### CLIENT TESTIMONIAL:

*We were delighted to be involved in the Paterson Building project alongside CCL. The PUDLO in-house technical department and our commercial team worked collaboratively with CCL, which resulted in no problems during and after the design stage. For both PUDLO and the groundworker, it was hugely reassuring for the client that CCL's experience as a specialist waterproofing installer ensured a smooth and watertight finish. Minor changes to intricate details were quickly identified and rectified, which resulted in PUDLO issuing its industry-leading 30-year performance warranty to the client, in addition to CCL's installation warranty.*

**Liam Leonard**, Technical Standards Manager  
PUDLO Waterproofing Systems, part of DB Group (Holdings) Ltd

## PRODUCTS

PUDLO BW Membrane

PUDLO Membrane Granules

PUDLO Render Seal

PUDLO Drainage Channel

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