



WestWood®  
Qualität + Erfahrung

Reference Report

# 32 Lincoln's Inn Fields, London







32 Lincoln's Inn Fields, London, WC2A 3PH

## Inverted Structural Waterproofing

Contractor: MARS Construct Ltd  
Client: London School of Economics  
Consultant: Rund Partnership Ltd  
Project: 32 Lincoln's Inn Fields,  
London  
Substrate: Concrete  
Size: 350m2  
Material: Wecryl 276, Wecryl 298,  
Wmp 713, Wecryl 230,  
Wecryl 230thix, Wecryl 233,  
Wecryl 810, Wecryl 815,  
Wecryl 288  
Completion: January 2017



**Background:** The existing structure on this Grade II Listed Building had been leaking for the last three years causing considerable damage to the basement areas below. These basement rooms house a large computer suite and a communal area for the students.

**The Solution:** The existing paving slabs and asphalt covering were removed to ensure the waterproofing could be applied direct to the concrete structural deck.

Thorough removal of the asphalt and preparation of the concrete deck was required to ensure a robust and long lasting waterproofing solution could be achieved.



The existing paving and asphalt needed to be removed.

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## Inverted Structural Waterproofing

The Benefits: WestWood Wecryl PMMA rapid curing products can be installed all year round ensuring that the works did not come to a standstill. Due to the schedule the project commenced in the Summer and finished in the Winter but this gave no cause for concern.

The Wecryl 230 created a fully bonded monolithic membrane which successfully and easily waterproofed the concrete structure eliminating the risk of water tracking underneath it.

The waterproofing was dressed down and into the new gully drains to ensure a sound waterproofing detail was formed. Metal stanchion posts were made watertight, whilst quickly and effortlessly being self-terminated at the required heights. Any awkward detailing was also completed to a high and effective standard.

Wecryl 230 PMMA waterproofing is accredited for zero falls application, so standing water poses no threat to the integrity and performance of the system.



The structural concrete was then primed with Wecryl 276.



Wecryl 230 & Fleece waterproofing were applied to all areas.



An additional layer of Wecryl 230 and Quartz Sand was added to provide extra protection and a key for the new paving slabs to be embedded.



Yorkstone paving providing the finished traffickable surface with new polaners.

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## Inverted Structural Waterproofing

Before - During - After



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