

ELASTOSPRAY® LWP

Best Practice Case Study

Basement soffit insulation – Cambridge Terrace, London



Constructing Tomorrow

Outstanding insulation, a contribution to
energy efficiency and climate protection

BASF

We create chemistry

Basement soffit insulation – Cambridge Terrace, London

Best Practice Case Study

BASF
We create chemistry



Project data

The project: 9 – 10 Cambridge Terrace,
Regents Park, London

Main Contractor - EE Smith

Spray Foam Contractor – Sprayfoam Solutions

Scope of Project – To provide insulation and
condensation control in a basement pool, gym
and car park

Year completed – 2017

Product used – Elastospray® LWP closed cell foam.

Project description

Cambridge Terrace is a row of Grade 1 Listed Regency homes, designed in the early 19th century by John Nash, the architect of Buckingham Palace.

The developer aims to convert the properties into a “super mansion” complete with a large underground leisure complex comprising of a pool, bar, cinema, jacuzzi and a car lift from street level to the basement car park.

When completed, the new development is expected to be worth £200 million.

Challenges

The concrete roof of the basement needed protection from the aggressive environment created by a swimming pool.

Any insulation, needed to prevent condensation, retain heat and the designer only specified environmentally friendly products with low Global Warming Potential.

The solution

The newly developed Elastospray® LWP, closed cell polyurethane foam insulation, was sprayed to the underside of the basement soffit to any average depth of 150mm.

Elastospray® LWP was applied quickly to the large surface area and unlike conventional insulation materials did not require cutting and mechanical fixing reducing costs and

providing a uniform joint free application.

The Elastospray® LWP would be able to resist the chlorine rich atmosphere of the pool area and continue to perform as insulation and anti-condensation.

Elastospray® LWP has a Global Warming Potential of 1.

BASF client quote

Peter Gorman – Director of Sprayfoam Solutions

“I am really pleased the new product worked so well, as when environmental Regulations come into place, it will still be business as usual. I am also hoping a low GWP product will attract more business from specifiers whom wouldn't usually consider spray foam”



Constructing Tomorrow

ELASTOSPRAY®LWP The innovation
for efficient and sustainable insulation