



CASE STUDY

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| Case Study: | Queen’s House, Leicester Square, London |
| Contracted by: | T&O Restorations Ltd. |
| Application: | Decorative Mouldings and Façades |
| Requirements: | Lightweight Concrete backing |
| Solution / Product: | LightCem® LITECRETE®™ |

THE PROBLEM For more than a century London’s Victorian buildings have faced the vagaries of the British climate. From blistering summer sunshine, to the ravages of ice, snow, frost and rain, the elements combine to wreak havoc on brick, stone, tile and timber alike.

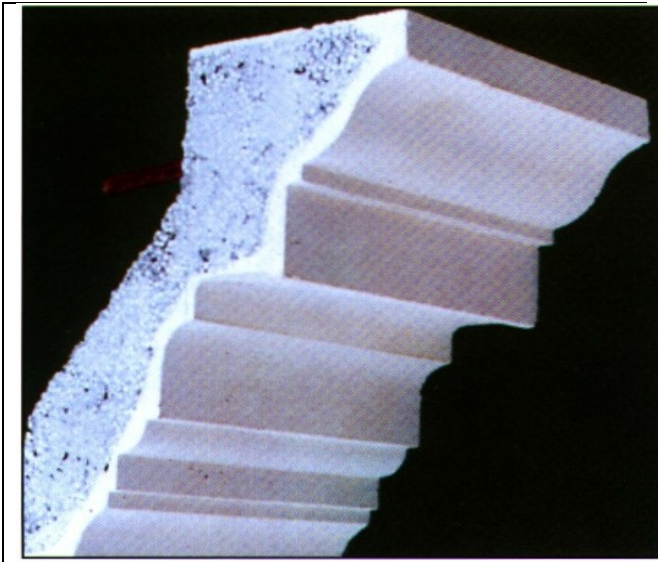
As if that were not enough, other enemies have joined the battle; traffic pollution, acid rain and the smoke from thousands of chimneys have taken their toll over the years. Now blackened, battle scarred, cracked, chipped and split, those casualties are in need of tender care if they are to survive.

This was the task faced by a London based restoration company T&O Restorations Ltd of London. How could they undo a century of neglect and save those precious assets, left behind by previous generations?

THE SOLUTION High pressure cleaning gave the buildings an instant facelift, laying bare areas of damage and decay that required urgent action.

In some cases localised repairs were possible, but in other areas whole sections would need to be replaced. This was where LightCem LITECRETE proved to be invaluable.

First a damaged section of stone was removed and crushed to a powder. The crushed stone was then reconstituted and used to form a coating inside suitable moulds. LITECRETE was then poured into the remainder of the mould to form a strong, lightweight backing. Lugs were cast into the LITECRETE and the complete moulded section was fixed back into place. Crushing the original stone produced a perfect match. Bonding it to LITECRETE made it strong, permanent and light, thereby reducing the strain on the old building.



LITECRETE Backing - Example Stone / Plaster moulding is given additional strength using LightCem LITECRETE – but without the weight.



Queen’s House – Leicester Square Repairs to main Façade using LightCem LITECRETE - still in perfect operational condition after 20 years.



“LightCem LITECRETE is the ideal product for this work and is still functioning perfectly after 20 years.

Mr HW,
MD T&O Ltd

LIGHTCEM®

