

Project Number	445
Project Name	The Courtauld. Stone Repairs
Date	01.10.2020
Revision	

Statement No.	1
Title	Stone Cleaning

All works to be carried out in accordance with BS 6270 Part 1.

Cleaning is only proposed on selective areas where staining or a significant accumulation of dirt is evident. There areas are broadly limited to:

- Large stain on top western corner of facade.
- Statues and corinthian column heads.
- localised staining associated with scaffold fixings and water run off from scaffold.
- localised staining associated with dental course.

Sample areas, no larger than 300mm x 300mm, will be identified for each of these items. The samples will respect the following criteria:

- Areas should be representative of the substrate, soiling and detail of the main works.
- Test panels should be positioned discreetly.
- Location of the test areas must be recorded and protected from further alteration.
- The parameters by which the result is obtained must be recorded.
- An acceptable test area should be retained as a control panel for the main works.
- Measures adopted as a result of the tests must be attainable and controllable in the mainworks.

Cleaning tests will start with the least invasive method and proceed according to degree of success. Dry and wet brushing tests will be followed by nebulous water based cleaning methods and Doff/Jos/Torc systems if appropriate. Poultice trials may also be required. Attention will be paid at all times to achieving a level that will blend with surrounding stone, and not appear over cleaned.

Where water-based cleaning is require, a masons' water clean of the stone facades using fine nebulous sprays of clean cold water will initially soften dirt deposits. Following completion of the masons' water clean, the stone work may have a hot water pressure wash from the Doff system applied. On completion all areas are to be rinsed off using medium pressure water lance prior to removal of polythene and tape. Localised Jos/Torc cleaning is proposed for heavily encrusted areas, for example statues and corinthian column heads.

Quantities of water will be controlled and kept to a minimum to prevent over saturation of the building. The nebulous water sprays will be timed to control the water volumes used and the flow rate of the water will be monitored and recorded. This practice is to be continued throughout the progression of the works to ensure an even application of water to the areas to be cleaned.

The areas to be cleaned will be examined by the Supervising Officer and those of historic or delicate nature will be noted for additional precautions. A water diversion system will be put in place, to guide the water behind the hoarding to avoid water penetrating the building or spraying onto the street and other public areas.