



# CASON GREEN Associates

Structural Engineers & Architectural Designers

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**Ref: 7628 – “Royal Exchange” 183 Beach Street, Deal. CT14 6 LY**

## **Method For Removal of Render & Application of Smooth Lime Render**

The render to the front, rear and sides are to be gently removed using a hammer and bolster whilst soaking the render with water. All quoins, plinth and cornice bands shall be retained untouched. Care will be taken to ensure the brickwork is unaffected when removing the render. In order to ensure the integrity of the brickwork the render will be removed by hand in small sections. The masonry shall be cleaned using water and a wire brush, removing any grime or soot. At this point it will be inspected and should the need arise repairs will be made. If the brickwork is unaffected the render can continue to be removed in the same fashion.

Damaged brickwork will be cut out as necessary, either side of the fracture, one face only. New bricks will be stitched in, bed and pointed with a lime based mortar 1:3 hydraulic lime: sharp sand. Repointing where necessary will be carried out by raking out existing joints of brickwork minimum 12mm deep and repointing in mortar and remove spoil.

New three coat lime render shall be applied to all masonry walls, to include existing face brickwork walls to Stair Tower. Lime Render shall be a Conserv Pre-mixed Hydraulic Lime Render, using NHL3.5 Render Base Coat, which shall then be mixed on site adding the correct amount of water to achieve the required consistency.

Application to install render shall be as follows:

- i) Make sure all surfaces are clean and dust free.
- ii) Damp surfaces in accordance with manufacturers recommendations.
- iii) Apply Bonding Coat (9 to 12mm thick).
- iv) Score initial coat ready for application of second coat and prior to initial coat developing too much of a set.
- v) Apply Levelling Coat (9 to 12mm thick), which shall be applied in the same manner. Rub up second coat with a float to slightly score forming a key for the top coat.
- vi) Apply Top Coat (6 to 7mm thick), carrying out any straightening works as required to achieve the desired level smooth finish.

Protect lime render from weathering and allow to set for a reasonable time before applying decorative finishes.