C41/2.1 TERRACOTTA: The majority of terracotta elements in Regent's Park are the statues on pediments. Method statements for cleaning, repairs or replacement works to any terracotta elements are to be agreed with CC before any work commences.

Consult the CC on repairs to statues of other materials, e.g. Roman Cement.

C44 REPAIRING RENDER

C44/1 RENDER: refer also to section M20 for new rendering

C44/2 RENDER: correct identification of the material used for the render is essential for its repair. Generally it is Roman cement, but more recent repairs have been carried out with Portland cement. There may be areas of oil mastic, applied in noticeably thinner coats which requires a completely different repair technique. Obtain a specialist's analysis if there is any doubt.

C44/2.1 PORTLAND CEMENT RENDER:

Location: to repair Portland cement-based renders to the exterior

Background: existing

Preparation: as C44/6

The following mixes are typical, and must be checked against the particular project conditions:

Spatterdash coat: (if required for key)

Cement: ordinary Portland cement:

Sand: coarse sand to BS 1199, to pass a No. 7 sieve

Mix Proportions: 1:3 cement sand by volume

Thickness: 3 to 5 mm thick. Do not level or smooth in any way

Dubbing Out: as required

Cement: ordinary Portland cement

Lime: sand mix(coarse stuff): to be mixed from lime putty as Section Z21 or Ready-mixed to BS 4721 using sand to BS 1199, Type A

Mix proportions 1:1:5 cement: lime: sand by volume

Thickness Not more than 10 mm in any one coat

Undercoat: Materials as for dubbing out

Mix Proportions 1:1:6 cement: lime: sand by volume

Second undercoat to be a weaker mix

Thickness (excluding dubbing out): not more than 10 mm in any one coat, and to decrease each subsequent undercoat

Finish well score for key

Top Coat: Materials: as for dubbing out

Mix Proportions: 1:2:9 cement: lime: sand

Thickness: average 7 mm

Finish: wood float, leave ready for painting. A single pass with a steel float will match new work to the original surface.

Joint as C44/6

C44/2.2 MOULDED WORK:

Location: repair of moulded work

Background: existing. The core of the moulding may be solid or formed with timber or metal lathing. Take care not to damage the core when removing defective render

Preparation: as C44./6

The following mixes are typical and must be checked against the particular project conditions.

Dubbing Out: as required

Cement: ordinary Portland cement

Sand sand to BS 1199, Type A

Mix Proportions 1.5: 1.5: 6 cement: sand

Thickness not more than 10 mm in any one coat

Undercoat(s): Cement ordinary Portland cement

Lime: sand mix(coarse stuff): to be mixed from lime putty as Section Z21 sand to be washed graded silica sand (<3 mm)

Or Ready-mixed to BS 4721 using sand to BS 1199, Type A without coarse aggregate

Mix Proportions 1:1:6 cement: lime: sand

Thickness not more than 10 mm in any one coat, and to decrease each subsequent undercoat.

Top Coat:

Materials as for undercoat, sand to be washed graded silica sand (<1 mm)

Mix Proportions: 1:2:9 cement: lime: sand by volume

Thickness average 7 mm

Finish run with a zinc mould.

Overall: overall thickness of render to match thickness to match existing adjacent.

C44/2.3 ROMAN CEMENT REPAIRS:

Location: to repair existing Roman Cement render

Background: as existing

Preparation as C44/6

Supplier: Rose of Jericho at St Blaise Ltd
Westhill Barn, Evershot, Dorchester
Dorset DT2 0LD
Tel: 01935 83676/83662

Basecoat: Lime: French Hydraulic Lime Grade XHN 100

Sand: washed quartz silica sand (<3 mm)