VI 2, 4 Casa di Sallustius

Sample no  1
Location  Room 35, sector SE.
Decoration  Only plaster.
Layer  Plaster connected with lower floor of terra battuta and the pozzo.

Plaster  Black and white, rounded grains
Binder  Clean white lime with some lime lumps, much.
Filler  Mainly rounded and irregular, small particles 0.2-0.4 mm between medium sized 0.8-1 mm. A few large.
Compact: Mainly black and pale grey, a few beige, brown and ochre.
Porous: Red.
Crystalline: Many black. Transparent grey, uncoloured, green.

Stucco
Lime  -
Filler  -

Plaster type  Sall 1
Group  A  (Aa)

Comments
Lots of crystals. Plaster layer on the continuation of the foundation wall from the atrium in room 16 to the south. Plasters in the same group are e.g. from First style decoration in the Temple of Apollo (TA2) and in the Casa del Granduca Michele (GM4).

Analyses
VI 2, 4 Casa di Sallustius

Sample no 2
Location Room 35, sector NW.
Decoration Only plaster.
Layer Near north cross-wall of room 16 on west side of continuing foundation directly below final pavement.

Plaster Black and white, rounded grains
Binder Clean slightly beige lime with some lime lumps, much.
Filler Mainly rounded and irregular, small particles 0.2-0.4 mm between medium sized 0.8-1 mm. A few large.
Compact: Mainly black and pale grey, a few beige, brown and ochre.
Porous: Red.
Crystalline: Many black. Transparent grey, uncoloured, green.

Stucco
Lime -
Filler -

Plaster type Sall 1
Group A (Aa)

Comments.
Near the north cross wall of room 16 on west side of the continuing foundation directly below the final pavement. Same as Sall1.

Analyses
Sample analysed at CNR/ICVBC.
### VI 2, 4 Casa di Sallustius

**Sample no** 3  
**Location** Room 16, sector SE.  
**Decoration** Only plaster.  
**Layer** Continuation of the foundation wall from the atrium in room 16 to south. Directly below the final pavement.

**Plaster** Black and white, rounded grains  
**Binder** Clean slightly beige lime with some lime lumps, much.  
**Filler** Mainly rounded and irregular, small particles 0.2-0.4 mm between medium sized 0.8-1 mm. A few large.  
- *Compact:* Mainly black and pale grey, a few beige, brown and ochre.  
- *Porous:* Red.  
- *Crystalline:* Many black. Transparent grey, uncoloured, green.

**Stucco**  
**Lime** -  
**Filler** -

<table>
<thead>
<tr>
<th>Plaster type</th>
<th>Sall 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Group</strong></td>
<td>A (Aa)</td>
</tr>
</tbody>
</table>

**Comments**  
Plaster layer connected with the lower floor of *terra battuta* and with the *pozzo*.  
Same as Sall1 and 2.

**Analyses**  
Sample analysed at CNR/ICVBC.  
**Binder:** Homogeneous, micritic lime. No lumps. Rounded pores. **Aggregate:** Rounded grains, unimodal filler 700 µm-1.5 mm. **Composition:** Fragments of pyroxenes, volcanic rock, feldspar. Proportion B/A: 1/3 - 1/4  
Similar to Sall1.
VI 2, 14 Casa delle Amazzoni

Sample no 1
Room 2, atrium.
Location North wall, towards room 8.
Decoration Red socle.
Layer Below the floor level of AD 79, covered by two later decorations.

Plaster
Brown plaster, small grains
Binder Sandy lime with a few large lime lumps.
Filler Angular and rounded, mainly very small particles 0.1-0.3 mm, between medium sized 0.8-1 mm and large 1.5-2 mm in good proportion.
Compact: Mainly black, grey, and ochre.
Some beige and pale yellow.
Porous: Many small red.
Crystalline: Many black. Transparent grey, uncoloured, yellow and orange.

Stucco 5 mm
Lime Beige lime
Filler Black and red particles

Plaster type CA 1
Group 0

Comments
The oldest structures of the house are dated to the Samnite period in the first half of the third century BC.
This dark brown plaster belongs to the earliest decoration in the building. It is different from all First style plasters investigated so far. The question was if this brown plaster belongs to the same group of early plasters as found in Casa di Granduca Michele (GM11), and in Casa del Centauro (CC5).

Analyses
Similar to A52a in Casa di Amarantus, a layer below floor level. Similar to the inferior layer of CC11b. (The intermediate layer of CC11b is similar to CC5). Pigment: The red pigment was red ochre.
VI 2, 14 Casa delle Amazzoni.

Sample no 2
Room 2, atrium.
Location North wall, towards room 8.
Decoration -
Layer A thin white plaster layer with hack-marks remains on large part of the wall. This layer, on the wall above the red socle, is covered by a later decoration.

Plaster Beige plaster, much lime
Binder Beige lime, much.
Filler Angular and rounded mainly very small particles 0.1-0.3 mm, between medium sized 0.8-1 mm and some large 1.5-2 mm.
Compact: Mainly black and grey. Some beige and brown. A few ochre.
Porous: Red.
Crystalline: Many black. Transparent grey, uncoloured, yellow and orange.

Stucco -
Lime -
Filler -

Plaster type CA 2
Group 0

Comments
This thin layer of beige plaster with white, hacked, surface is laid upon the red socle, CA1. The filler is similar to that of CA1. It is not clear if this thin, hacked layer should be interpreted as a preparation for the next period (CA3) or if it represents a decoration period. Similar to GM2 and GM11, an early beige plaster in Casa del Granduca Michele

Analyses
Similar to GM2 and GM11. The beige color of this plaster is due to the fine grain size of the filler, the lime is clean and there is no inclusion of earth.
VI 2, 14 Casa delle Amazzoni

Sample no 3

Room 2, atrium.

Location North wall, towards room 8.

Decoration -

Layer Thin plaster layer applied on the white layer with hack-marks.

Plaster Beige plaster, small particles

Binder Beige lime, sandy, much.

Filler Mainly rounded, very small particles (0.1-0.3mm), medium 0.8-1mm) and a few large 1.5-2 mm).

Compact: Mainly black and grey, some brown and a few ochre. A few black with red dots.

Porous: Many red.

Crystalline: Many black. Transparent grey, uncoloured, yellow and orange.

Stucco -

Lime -

Filler -

Plaster type CA 3

Group 0

Comments

Yet another beige plaster with small grains but with relatively little lime compared with CA2. The filler contains more crystals than previous samples. This filler (but not the lime) is of the same kind as that of EG 1B2, an early plaster in group A, subgroup Aa. Since this plaster and the successive layer of decorated plaster are similar, they are interpreted as part of a plastering technique and belong to the same period. The plaster type is CA3, which, due to the lime, is more similar to CC5 group 0, than to CA4 group Aa.

Analyses

VI 2, 14 Casa delle Amazzoni

Sample no 4
Room 2, atrium
Location North wall, towards room 8.
Decoration Second decoration, red socle.
Layer Layer that covers the first decoration and is covered by one that is later.

Plaster Black and white, rounded grains
Binder Beige lime, sandy, much.
Filler Mainly rounded, very small particles 0.1-0.3 mm between medium sized 0.8-1 mm and a few large 1.5-2 mm.
Compact: Mainly black, pale and warm grey, some brown and ochre grains.
Porous: Many red.
Crystalline: Many black. Transparent grey, uncoloured, yellow and orange.

Stucco
Lime
Filler

Plaster type CA 4
Group A (Aa)

Comments
There are remains of red paint layer. The same kind of filler as CA3 but the plaster looks different. Even though CA3 and CA4 are regarded as of the same phase, CA4 has more similarities with plasters in group Aa than those in group 0.

Analyses
Composition: Mainly fragments of volcanic rock, pyroxenes, feldspar, sanidino. Proportion B/A: 1/1-1/2.
Not identical but quite similar to CA3 and CA6.
VI 2, 14 Casa delle Amazzoni

| Sample no | 5 |
| Room | 1 fauces. |
| Location | South wall, close to the doorway to room 3 |
| Decoration | - |
| Layer | Thin white plaster layer with hack-marks, covered by a later decoration. |

| Plaster | Beige plaster, much lime |
| Binder | Unclean, beige lime with white lime lumps. Enough lime. |
| Filler | Mainly rounded irregular very small particles 0.1-0.3 mm and 0.8-1 mm. A few large 1.5-2 mm. |
| Compact | Mainly black and grey, some beige and ochre. |
| Porous | Red. |
| Crystalline | Many black. Transparent grey, uncoloured, yellow and orange. |

| Stucco | - |
| Lime | - |
| Filler | - |

| Plaster type | CA 2 |
| Group | 0 |

Comments
The First style decoration in fauces described by Mau is lost but there are remains of hacked plaster. This thin hacked layer is of the same kind as thin hacked layer in the atrium.

Analyses | - |
VI 2, 14 Casa delle Amazzoni

Sample no 6
Room 8
Location East wall, close to the entrance towards the atrium.
Decoration Remains of painted borders.
Layer Decoration built up in several layers, continuing in the doorway with a slightly rounded edge.

Plaster Black and white, rounded grains
Binder Beige lime.
Filler Angular and rounded, very small particles, 0.1-0.3 mm, and 0.8-1 mm, and a few large 1.5-2 mm.

Compact: Mainly black and pale grey, some beige, brown, and ochre.
Porous: Many red.
Crystalline: Many black. Transparent grey, uncoloured, and yellow.

Stucco -
Lime -
Filler -

Plaster type CA4
Group A (Aa)

Comments
This decoration belongs to the same period as the second decoration in the atrium.

Analyses
Sample analyzed at CNR/ICVBC. Binder: Non homogeneous, micritic lime. No lumps. No pores.
Aggregate: Angular and rounded grains, bimodal filler 400-600 um and 1.5-2 mm, Composition: Fragments of volcanic rock, pyroxenes, feldspar. Proportion B/A: 1/3.
Similar to CA3. Might be similar to CC5, the fragment is too small for definite classification.
VI 2, 14 Casa delle Amazzoni

Sample no 7
Room 4
Location South wall close to SE corner.
Decoration -
Layer First layer on the wall.

Plaster Many colours, lots of crystals
Binder Clean white lime. Enough.
Filler Mainly rounded medium size particles 0.8-1 mm between small 0.5 mm and some large 1.5-2 mm.

Compact: Mainly black, pale grey, brown, and ochre, some white and beige. Some large beige “beans”, and some black with red dots.

Porous: Red.
Crystalline: Many black. Transparent grey, uncoloured, green, yellow and orange.

Stucco 2 mm
Lime Clean white lime.
Filler Large and small calcite crystals.

Plaster type CA 7
Group F

Comments
This sample is the first in the house with clean white lime. The characteristics, a rather fine-grained plaster with kaleidoscopic filler and many crystals, make it possible to assign the plaster to group F, used during the late Third style and early Fourth style.

Analyses

Similar to plasters at insula I 9 and Forum, e.g. BI7, TA12, TV2, E6.
VI 2, 14 Casa delle Amazzoni

Sample no 8
Room 4
Location South wall close to SW corner.
Decoration -
Layer First layer on the wall, covered by a later decoration (CA 9).

Plaster Black and white, rounded grains
Binder Beige lime with some lumps. Enough.
Filler Mainly rounded, medium size particles 0.8-1 mm between small 0.5 mm and some large 1.5-2.5 mm.
Compact: Mainly black and grey. Some pale beige, brown and ochre. A few black with red dots.
Porous: Red.
Crystalline: Black. Transparent grey, uncoloured, yellow and orange.

Stucco -
Lime -
Filler -

Plaster type CA 4
Group A (Aa)

Comments
Yet another beige-brown plaster.
In spite of the beige lime it looks the same as EG 1B2. This may be a clean variety of CA4.

Analyses -
VI 2, 14 Casa delle Amazzoni

Sample no 9
Room 4
Location West wall close to SW corner.
Decoration Last decoration on the wall.
Layer Layer covering CA 8.

Plaster Many colours, lots of crystals
Binder Clean white lime.
Filler Rounded and irregular, small particles 0.5 mm between medium sized 0.8.1 mm and a few large 1.5-2.5 mm.
Compact: Mainly black and pale grey, some beige, brown and white. Beans.
Porous: Red.
Crystalline: Many black. Transparent grey, uncoloured, green, yellow and orange.

Stucco 3 mm.
Lime White lime.
Filler Large and small calcite crystals.

Plaster type CA 7
Group F

Comments
Same kind of plaster as CA7. Same kind of plaster as used for the redecoration in room 4. The plaster type was used for late decorations in the late Third and early Fourth style.

Analyses -
VI 2, 14 Casa delle Amazzoni

<table>
<thead>
<tr>
<th>Sample no</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room</td>
<td>Fragment found in room 4.</td>
</tr>
<tr>
<td>Location</td>
<td>Saggio C2, US 2.</td>
</tr>
<tr>
<td>Decoration</td>
<td>Red panel, white recessed border.</td>
</tr>
<tr>
<td>Layer</td>
<td>Decorated layer.</td>
</tr>
</tbody>
</table>

**Plaster**  
Black and white, rounded grains

**Binder**  
White, slightly beige with inclusion of small particles. Enough.

**Filler**  
Mainly rounded, small particles 0.2-0.8 mm, between some large 1-1.5 mm.  
*Compact*: Mainly black and pale grey, some brown and ochre.  
*Porous*: Red.  
*Crystalline*: Many black. Transparent grey, uncoloured, and yellow.

**Stucco**  
6 mm

**Lime**  
Creamy white lime.

**Filler**  
Large and small calcite crystals.

**Plaster type**  
CA 4

**Group**  
A (Aa)

**Comments**  
This sample looks like a normal plaster in group A. Same as CA8, the earliest decoration period in the room where this fragment was found.

**Analyses**  
-
VI 2, 14 Casa delle Amazzoni

Sample no 11
Room 2, atrium.
Location North wall, towards room 8, at the height of approximately 1 m.
Decoration Last decoration on the wall.
Layer Layer covering CA 4.

Plaster Many colours, lots of crystals
Binder Clean white lime.
Filler Mainly rounded, small particles 0.5 mm between medium sized 0.8.1 mm and a few large 1.5-2.5 mm.
Compact: Mainly black and pale grey, some beige, brown and white.
Porous: Red.
Crystalline: Many black. Transparent grey, uncoloured, green and yellow.

Stucco -
Lime -
Filler -

Plaster type CA 7
Group F

Comments
The weathered sample is very thin, and most of the fine grains have been washed out. There are remains of fine grains on the inferior side of the sample. The lime is decayed. Same kind of filler as CA7. Late Third or early Fourth style.

Analyses -
VI 5, 5 Casa del Granduca Michele

Sample no 1
Location Room 9b, south wall.
Decoration Yellow decoration.
Layer Plaster layer on clay, opus formaceum.

Plaster Black and white, lots of crystals
Binder Clean white lime with some lumps. Much.
Filler Angular and rounded, small particles, 0.5-0.8 mm between medium size 1.5-1.8 mm. Compact: Black, pale grey, a few beige and brown. Some black with red dots. Porous: Small red. Crystalline: Many black. Transparent grey, uncoloured, green.

Stucco 5 mm
Lime “Pink stucco”.
Filler Red and black particles

Plaster type GM 1
Group A (Ab)

Comments
Room 9b is a corridor, an oecus in the Samnite house, the protocasa, period II phase 2 (middle of the 2nd century BC). It is situated between the tablinum and the room with the raised floor level. The yellow socle is a common feature of the period. This kind of plaster was used for First style decorations in e.g. Casa del Centauro, the yellow socle in cubiculum 2.

Analyses
VI 5, 5 Casa del Granduca Michele

Sample no 2
Location Room 9b, US 97, close to the SE corner.
Decoration -
Layer Preparation layer?

Plaster Beige plaster, small grains
Binder Lime, and probably clay.
Filler Angular and rounded grains 1-2 mm. Lots of very small yellow ochre grains.
Compact: Black, pale grey, pale yellow, ochre.
Porous: Red.
Crystalline: Very small crystals, uncoloured and yellow.

Stucco -
Lime -
Filler -

Plaster type GM 2
Group 0

Comments
This plaster or preparation layer is situated below the level of period II phase 2, most probably representing period II, phase 1 (end of the 3rd century BC).

Analyses
Sample analysed at CNR/ICVBC. Binder: Non homogeneous, micritic lime. No lumps. Few pores.
Similar to GM11. The filler is similar to CA2. The brown colour of the lime indicates that earth might have been mixed into it. No oxides were identified in the sample.
VI 5, 5 Casa del Granduca Michele

Sample no 3
Location Peristyle, US 125.
Decoration -
Layer Fragment with black surface.

Plaster Dark brown with inclusions
Binder -
Filler Small particles 0.2-0.4 mm between medium 0.8-1 mm and large 1.5-2 mm.
Compact: Black, pale grey, brown, ochre.
Porous: Red.
Crystalline: Black, transparent uncoloured.

Stucco -
Lime
Filler

Plaster type -
Group X brick

Comments
DA: The fragment was found in the peristyle in the filling under the wall which is the foundation for the columns. The foundation probably dates to the beginning of the 1st century BC. (Riempimento della fossa di fondazione (inizio 1o secolo aC) dello muro cui si fondano le colonne del peristilio).
Could this be part of a pavement?

Analyses
Sample analysed at CNR/ICVBC. Brick, laterizio.
VI 5, 5 Casa del Granduca Michele

Sample no 4

Location  Room 9c, south wall, near south-east corner.
Decoration -
Layer Below the floor level of the Samnite house period II phase 2, and is covered by the decoration of period II phase 2 (GM 5).

Plaster  Black and white, rounded grains
Binder  White lime, little, some small lime lumps.
Filler  Mainly rounded, very small particles 0.1-0.3 mm between medium 0.8-1 mm and a few large 1.5-3mm.

Compact: Black, pale grey, and a few brown.
Porous: Red.
Crystaline: Many crystals. Small black, transparent grey, uncoloured, green and yellow.

Stucco  5 mm
Lime  “pink stucco”.
Filler  Red and black grains.

Plaster type  GM 4
Group  A (Aa)

Comments
This layer continues below the Samnite floor period II phase 2. It is covered by a plaster layer with yellow decoration like the socle in room 9b. This plaster belongs to the same group as used for the First style decorations at the Temple of Apollo at the Temple of Jupiter for the first phase in Casa di Sallustius, and in Casa degli Epigrammi Greci.

Analyses
VI 5, 5 Casa del Granduca Michele

Sample no 5

**Location**  Room 9c, south wall, south-east corner.
**Decoration**  Yellow socle.
**Layer**  Layer that covers GM4, which is the first decoration phase in the Samnitic house.

**Plaster**  Black and white, lots of crystals
**Binder**  White lime, much.
**Filler**  Angular and rounded, small particles 0.8-1 mm and medium size 1.5-2mm.
  *Compact*: Black, pale grey, beige and brown.
  Black with red dots..
  *Porous*: Red.
  *Crystalline*: Many black. Transparent grey, uncoloured, green and yellow.

**Stucco**  5 mm
**Lime**  “Pink stucco”.
**Filler**  Red and black grains.

**Plaster type**  GM 1
**Group**  A (Ab)

**Comments**
The decoration is contemporary with the Samnite floor, period II phase 2).
Same kind of stucco as GM 1.

**Analyses** -
VI 5, 5 Casa del Granduca Michele

Sample no 6

Location 1, fauces, south wall

Decoration White decoration at the pillar (stipite).

Layer White stucco.

Plaster Black and white, rounded grains

Binder Clean lime, slightly beige with white lumps.

Filler Mainly rounded, very small grains 0.2-0.4 mm between medium 0.8-1 mm. A few large 1.5-2 mm.

Compact: Black, pale grey, and a few beige and brown.

Porous: Red.

Crystalline: Many black. Transparent grey, uncoloured, yellow and green.

Stucco 8 mm

Lime Beige.

Filler Red and black grains.

Plaster type GM 4

Group A (Aa)

Comments

The layer continues behind the yellow decoration on the wall. The pillar and the socle belong to the same period, period II, phase 2.

Analyses -
VI 5, 5 Casa del Granduca Michele

| Sample no | 7 |
| Location   | Room 1, *fauces*, south wall. |
| Decoration | Yellow decoration |
| Layer      | - |

| Plaster     | Beige plaster, small particles |
| Binder      | Beige lime. |
| Filler      | Mainly rounded, small sized particles 0.3-0.4 mm between medium 0.8-1mm some large 1.5-2 mm. *Compact*: Black, grey, some beige and brown. *Porous*: Red. *Crystalline*: Black, transparent uncoloured, green. |

| Stucco | 4 mm |
| Lime | “pink stucco”. |
| Filler | Red and black particles. |

| Plaster type | GM 7 |
| Group       | X repair |

**Comments**

Dora: “The pillar and the wall decoration belong to the same phase. There are, however indications that the wall decoration was repaired during antiquity, and therefore the wall plaster may be different to the pillar plaster.”

“The repair was probably made in period II phase 2 or 3”. The sample was taken from an area that may be a repair. It mainly consists of pink stucco, but the plaster is similar to an early plaster in Casa delle Amazzoni (CA 3), and to sample GM 19.

The repaired area is not visible on this photo, but situated further west along the wall.

**Analyses**


Not similar to any other plaster in this house.
VI 5, 5 Casa del Granduca Michele

Sample no  7 (new sample)
Location  Room 1, fauces, south wall.
Decoration  Yellow decoration.
Layer  The layer butts against the white stucco pillar.

Plaster  Black and white, rounded grains
Binder  Clean lime, slightly beige with white lumps.
Filler  Mainly rounded, very small grains 0.2-0.4 mm between medium 0.8-1 mm. A few large 1.5-2 mm.

*Compact*: Black, pale grey, and a few beige and brown.
*Porous*: Red.
*Crystalline*: Many black. Transparent grey, uncoloured, yellow and green.

Stucco  8 mm
Lime  Beige.
Filler  Red and black grains.

Plaster type  GM 4
Group  A (Aa)

Comments
The pillar and the wall decoration belong to the same phase. There are, however indications that the wall decoration was repaired during antiquity, and therefore the wall plaster may be different to the pillar plaster. The repair is not at this part of the wall, it is situated further along the wall towards west.

Analyses -
VI 5, 5 Casa del Granduca Michele

Sample no 8

Location  Room 5, north wall, north-east corner.
Decoration  Yellow decoration.
Layer  2 layers, the upper with decoration.

Plaster  Black and white, rounded grains
Binder  Slightly beige with some lumps.
Filler  Mainly rounded, small particles 0.2-0.4 mm between medium size 0.8-1 mm, and a few large 1.5-2 mm.
       Compact: Black, pale grey, brown and a few ochre. Black with red dots.
       Porous: Red.
       Crystalline: Many black. Transparent grey, uncoloured, green and yellow.

Stucco  3 mm
Lime  “Pink stucco”.
Filler  Red and black grains.

Plaster type  GM 4
Group  A (Aa)

Comments
According to D. D’Auria, there is a yellow socle in all rooms in the Samnite period of the house. Period II, phase 2.

Analyses -
VI 5, 5 Casa del Granduca Michele

Sample no: 9
Location: Room 1, fauces.
Decoration: -
Layer: Waterproof layer in the canaletta.

Plaster: Waterproof
Binder
Filler: Rounded, 0.1-0.3 mm, 1.5-2 mm.

Stucco: -
Lime
Filler

Plaster type: -
Group: X waterproof

Comments
The fragment has four layers: at the top a glassy grey plaster, in the middle cocciopesto, below which is a glassy lime with black particles and, at the lower level, beige plaster with many yellow grains.
Question: what is the nature of the glassy material?

Fig 1, above: the fragment.
Fig.2, in the middle: detail.
Fig.3, below: the sample partially wet by preparation.

Analyses
The grey, glassy layer: Binder: Homogeneous, micritic lime. No lumps. Few pores. Aggregate: Rounded grains, unimodal filler 800 µm to 1.5 mm. Composition: fragments of volcanic rock. Proportion B/A: 1/2-1/3. SEM analyses of the internal and external layers of the sample anomalous amounts of phosphorous at the external level, which might linked to the water flow in the channel. The presence of silica is attributable to the binder which is hydraulic lime. From the chemical point of view there is nothing that explains the texture of this sample. It may hypothetically be a cause of contact with heat.
VI 5, 5 Casa del Granduca Michele

Sample no 10
Location Room 5, floor in the south-east quarter of the room.
Decoration -
Layer opus graecanicum

Plaster opus graecanicum
Binder -
Filler
Compact:
Porous:
Crystalline:

Stucco
Lime
Filler

Plaster type -
Group X graecanicum

Comments
Two containers with samples from the floor.
1: black = cenere, carbone, calce? = cenere, carbone. Calce?
2: white = lime or stone? = Lime, battuto.
The analyses confirm two layers, the paler of which consists of lime and aggregate, that is lime plaster. There are ashes in the dark top layer. The sample illustrates the description of Vitruvius on how to make floors for winter triclinia.

Analyses
Sample analysed at CNR/ICVBC.

VI 5, 5 Casa del Granduca Michele

Sample no 11

<table>
<thead>
<tr>
<th>Location</th>
<th>Room 5, US 27</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decoration</td>
<td>Fragment found in the preparation for graecanicum floor</td>
</tr>
<tr>
<td>Layer</td>
<td></td>
</tr>
</tbody>
</table>

Plaster

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Binder</td>
<td>Slightly beige lime.</td>
</tr>
<tr>
<td>Filler</td>
<td>Angular and rounded, small particles 0.1-0.2 mm, between medium 0.5 mm and some large 1-1.5 mm. Compact: Black, brown, pale grey, some pale yellow and ochre. Porous: Many red. Crystalline: Transparent grey and uncoloured.</td>
</tr>
</tbody>
</table>

Stucco

<table>
<thead>
<tr>
<th>Description</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lime</td>
<td></td>
</tr>
<tr>
<td>Filler</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plaster type</td>
<td>GM 2</td>
</tr>
<tr>
<td>Group</td>
<td>0</td>
</tr>
</tbody>
</table>

Comments

Fragment found in the preparation for the battuto pavement US 21, i.e. below the layer of opus graecanicum sample 10.

Analyses

Same as GM2. To the same group belongs an early plaster in Casa del Centauro (CC5).

VI 5, 5 Casa del Granduca Michele

Sample no: 12
Location: 2, atrium.
Decoration: Ceiling, yellow decoration, cubic pattern
Layer: Fragment.

Plaster: Black and white, lots of crystals
Binder: Clean white lime, more than needed.
Filler: Angular and rounded, mainly small particles, 0.8-1 mm and some large 1.5-2 mm.
Compact: Black, pale grey and brown.
Porous: Small red.
Crystalline: Lots of crystals, long black, transparent grey, uncoloured green and yellow.

Stucco: -
Lime: 
Filler: 

Plaster type: GM 1
Group: A (Ab)

Comments
According to D. Dauria, the fragment presumably belongs to the second phase of the house (Phase II b), before the floor level was raised in the second half of the second century BC. The fragment belongs to a group of fragments with cubic pattern.
No stucco on the sample.
The same kind of plaster was used for First style decorations in Casa del Centauro (CC1), and Casa di Amarantus (A1).
Same as GM1.

Analyses -
VI 5, 5 Casa del Granduca Michele

Sample no 13
Location 2, atrium.
Decoration Ceiling, blue decoration.
Layer Fragment.

Plaster Black and white, rounded grains
Binder White lime with small lumps.
Filler Mainly rounded, small particles 0.2-0.5 mm between medium 0.8-1 mm and a few larger.
Compact: Black, pale grey, a few beige and brown. Black with red dots.
Porous: Red.
Crystalline: Many black. Transparent grey, uncoloured, green, and yellow.

Stucco -
Lime -
Filler -

Plaster type GM 4
Group A (Aa)

Comments
No stucco on the sample. Good proportion lime and filler, good proportion grain sizes. Same as GM4. The fragment belongs to a group of fragments with cassette decoration. At the centre there is a rose. The motif is common in the Hellenistic period. The plaster on this fragment is indicative for period II, phase 2.

Analyses -
### VI 5, 5 Casa del Granduca Michele

**Sample no** 14

**Location** Room 9A.

**Decoration** Ceiling decoration with remains of red paint.

**Layer** Fragment.

**Plaster** Black and white, rounded grains

**Binder** White lime with small lumps.

**Filler** Mainly rounded, small particles 0.2-0.5 mm between medium 0.8-1 mm and a few larger. *Compact*: Black, pale grey, a few beige and brown. Black with red dots. *Porous*: Red. *Crystalline*: Many black. Transparent grey, uncoloured, green, yellow and orange.

**Stucco** -

**Lime**

**Filler**

**Plaster type** GM 4

**Group** A (Aa)

**Comments**
No stucco on the sample. Small grains. Same as no 13. The fragment belongs to a group of fragments from a decorated ceiling.

**Analyses** -
VI 5, 5 Casa del Granduca Michele

Sample no 15
Location 2, atrium.
Decoration Wall decoration, marble imitation in various shades of yellow ochre.
Layer Fragment.

Plaster Black and white, lots of crystals
Binder White lime, much.
Filler Angular and rounded, mainly small particles 0.5-0.8 mm between medium size 1.5-1.8 mm.
Compact: Mainly black, some pale grey, a few brown.
Porous: Very small red.
Crystalline: Mainly long black, some transparent grey, uncoloured, green and yellow.

Stucco -
Lime
Filler

Plaster type GM 1
Group A (Ab)

Comments
No stucco on the sample. The sample has characteristics of GM 1 and GM4.

Analyses -
VI 5, 5 Casa del Granduca Michele

Sample no 16

Location 2, atrium.
Decoration Wall decoration. Panel fragment with red recessed border. Marble imitation.
Layer Fragment.

Plaster Black and white, lots of crystals
Binder Creamy white lime, much.
Filler Angular and rounded, mainly small particles 0.2-0.5 mm between medium size 1-1.5 mm.
Compact: Black, pale grey, some brown.
Black with red dots
Porous: Small red.
Crystalline: Many black. Transparent grey, uncoloured, green, yellow and orange.

Stucco -
Lime -
Filler -

Plaster type GM 1
Group A (Ab)

Comments
No stucco on the sample. The plaster is similar to GM4, rounded and irregular grains, and to GM1, lots of black crystals. More similar to GM1 than to GM4.

Analyses -
VI 5, 5 Casa del Granduca Michele

Sample no 17
Location 2, atrium.
Decoration Cornice, Lesbian cymatium with painted decoration in violet and ochre.
Layer Fragment.

Plaster Black and white, rounded grains
Binder Creamy white lime with white lumps.
Filler Angular and rounded mainly small particles 0.5-0.8 mm between medium size 1.5-1.8 mm.
Compact: Black, pale grey, a few beige and brown.
Porous: Small red.
Crystalline: Many black. Transparent grey, uncoloured, green and yellow.

Stucco -
Lime
Filler

Plaster type GM 4
Group A (Aa)

Comments
No stucco on the sample. The sample was placed in subgroup Ab due to the clean white lime and the many crystals, some of which are angular.
Question: Could this be plaster of the same kind as GM4? There are similarities with sample GM1 as well as sample GM4. Re-checking samples, most similar to GM17 is GM20, which is of the same kind as GM4. Samples 15, 16, 17 and 18 have characteristics of two types. Both types belong to group A (First style), subgroups Aa and Ab.

Analyses -
VI 5, 5 Casa del Granduca Michele

Sample no 18

Location 2, atrium.

Decoration Wall decoration, green panel. White line and violet at one edge.

Layer Fragment.

Plaster Black and white, lots of crystals

Binder Creamy white lime. Much.

Filler Irregular and rounded, mainly small particles 0.5-0.8 mm between medium size 1.5-1.8 mm.

Compact: Black, pale grey, a few beige and brown. Black with red dots.

Porous: Small red.

Crystalline: Many black. Transparent grey, uncoloured, and yellow.

Stucco -

Lime -

Filler -

Plaster type GM

Group A (Ab)

Comments No stucco on the sample. Characteristics of Aa as well as Ab.

Analyses -
VI 5, 5 Casa del Granduca Michele

Sample no 19
Location Room 7, *ala*.
Decoration
Layer First layer on the wall, below the floor level period II, phase 2, covered by GM 20. The layer continues behind the yellow wall decoration.

Plaster Black and white, rounded grains
Binder Unclean lime with white lime lumps.
Filler Angular and rounded very small grains between medium sized 0.5-1mm and some large 1.5-2 mm.
Compact: Mainly black, pale grey.
Porous: Very small red, few.
Crystalline: Lots of crystals. Long black. Some transparent grey and uncoloured.

Stucco -
Lime
Filler

Plaster type GM 2
Group 0

Comments
The composition of the filler resembles GM4. The dark colour resembles CA2 and CC5, early beige/brown plasters. The plaster might be of type 0 as well as of type Aa. Based on relative chronology my choice is to place the sample in group 0. Laboratory analyses would provide an answer.

Analyses -
VI 5, 5 Casa del Granduca Michele

Sample no 20

Location Room 7, *ala*.
Decoration Layer with white stucco, covering GM 19.
Layer Last decoration, below floor level.

Plaster Black and white, rounded grains
Binder Slightly beige lime, little.
Filler Mainly rounded, very small particles 0.1-0.3 mm between medium 0.8-1 mm and some large 1.5-3 mm.
Compact: Black, pale grey, some beige, and brown.
Porous: Red.
Crystalline: Many black. Transparent grey, uncoloured, yellow and orange.

Stucco -
Lime
Filler

Plaster type GM 4
Group A (Aa)

Comments
No stucco on the sample. There is a mistake with the indication of sampling spot on this photo: the arrow should point at the layer with decoration.

Analyses -
VI 9, 3-5 Casa del Centauro

Sample no 1

*Location* cubiculum 2, west wall, at the centre of the wall.

*Decoration* 1st style decoration.

*Layer* Decorated layer below raised floor and connected with the pavement of the Samnite house.

*Plaster* Black and white, lots of crystals

*Binder* Clean white lime.

*Filler* Angular and rounded, mainly very small grains 0.2-0.5 mm, medium 0.8-1.2 mm and a few large 1.5-2 mm. Good proportion between lime and filler, and between large and small grains.

*Compact:* Mainly black and pale and warm grey.

*Porous:* Red.

*Crystalline:* Lots of black. Transparent uncoloured, grey, green and yellow.

*Stucco* 3 mm

*Lime* Slightly beige lime

*Filler* Lots of small red particles and some small crystals.

*Plaster type* CC 1

*Group* A (Ab)

**Comments**

Yellow socle, 3rd century BC. The decoration belongs to the period before the floor was raised in middle of the 2nd century. This plaster presumably belongs to the first phase of the house. It is different to CC2. The filler has very small grains, angular and rounded, few large, lots of black crystals.

Same group as GM1, sample from a yellow decoration on *opus formaceum* (Samnite period), room 9b, in Casa di Granduca Michele.

**Analyses**


Similar to GM1 and A1. *Pigment:* Yellow and red ochre. The paint was applied in one layer in which a few grains are visible.
VI 9, 3-5 Casa del Centauro

Sample no 2
Location cubiculum 3, (anticamera) west wall, close to the pillar at the entrance to the alcove.
Decoration 1\textsuperscript{st} style decoration
Layer At the cornice.

Plaster Black and white, large grains
Binder Clean white lime with small lumps. More lime than needed in confront to the filler.
Filler Mainly medium sized, rounded grains 0.8-1.2 mm, some 0.2-0.5 mm, a few large 2-3 mm. Top layer: mainly crystals. Compact: Mainly black, pale grey, some beige, and brown. A few black with red dots. Porous: Very small red. Crystalline: Many black. Transparent uncoloured, grey and yellow crystals.

Stucco 3 mm
Lime White.
Filler Very small transparent uncoloured crystals.

Plaster type CC 2
Group B

Comments
Decoration dated to the last quarter of the of 2\textsuperscript{nd} Century BC, at the time when the two properties were joined to a double atrium complex with double peristyle. The sample was taken at the cornice. The same kind of plaster was used for First style decorations at the Basilica (B 1) and at the Casa del Bell’Impluvio (BI 1). The Basilica decoration is, by reason of a well-known graffiti, dated to ca 78 BC.

Analyses
VI 9, 3-5 Casa del Centauro

Sample no 3

Location  cubiculum 3, alcove, west wall, close to the pillar at the entrance to the anticamera.
Decoration  1st style decoration.
Layer  At the cornice.

Plaster  Black and white, large grains
Binder  Clean white lime with small lumps. Much.
Filler  Mainly rounded, medium sized particles 0.8-1.2 mm, some 0.2-0.5mm and large 2-3-mm.

Compact: Mainly black and pale grey grains, a few beige and brown. Black with red dots.
Porous: Red.
Crystalline: Lots of black Transparent uncoloured, grey, and a few small yellow crystals.

Stucco

Lime

Filler

Plaster type  CC 2
Group  B

Comments
Same kind of plaster as CC 2.

Analyses -
VI 9, 3-5 Casa del Centauro

<table>
<thead>
<tr>
<th>Sample no 4</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location</strong></td>
<td>cubiculum 3, alcove, south wall.</td>
</tr>
<tr>
<td><strong>Decoration</strong></td>
<td>No decoration.</td>
</tr>
<tr>
<td><strong>Layer</strong></td>
<td>First layer on the wall, remains of plaster.</td>
</tr>
<tr>
<td><strong>Plaster</strong></td>
<td>Black and white, large grains</td>
</tr>
<tr>
<td><strong>Binder</strong></td>
<td>Clean white lime, much.</td>
</tr>
<tr>
<td><strong>Filler</strong></td>
<td>Mainly rounded, medium sized particles 0.8-1.2 mm, large 2-3-mm, and a few 0.2-0.5 mm.</td>
</tr>
<tr>
<td><strong>Compact</strong></td>
<td>Black, pale grey, beige, brown. 1 very large grey 5 mm.</td>
</tr>
<tr>
<td><strong>Porous</strong></td>
<td>Small red</td>
</tr>
<tr>
<td><strong>Crystalline</strong></td>
<td>Many black. Transparent grey, uncoloured, and yellow.</td>
</tr>
<tr>
<td><strong>Stucco</strong></td>
<td>-</td>
</tr>
<tr>
<td><strong>Lime</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Filler</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Plaster type</strong></td>
<td>CC 2</td>
</tr>
<tr>
<td><strong>Group</strong></td>
<td>B</td>
</tr>
<tr>
<td><strong>Comments</strong></td>
<td>Same as CC 3.</td>
</tr>
<tr>
<td><strong>Analyses</strong></td>
<td>-</td>
</tr>
</tbody>
</table>
VI 9, 3-5 Casa del Centauro

Sample no  5
Location  Room 15, west wall.
Decoration  Plaster and stucco.
Layer  Layer with decoration blocked behind north wall (south wall in cubiculum 3).

Plaster  Grey plaster, small grains
Binder  grey lime with white lime lumps. Top layer: white lime.
Filler  very small particles 0.1-0.2 mm, some 1-1.5 mm, a few 2-2.5 mm.
Compact: mainly rounded black, grey, some brown, pale yellow and yellow ochre.
Porous: red.
Crystalline: black, transparent uncoloured olive green and yellow.

Stucco  5 mm
Lime  white lime
Filler  large and small crystals.

Plaster type  CC 5
Group  0

Comments
Grey plaster. Good proportion between large and small particles. There are two layers. The first applied (ca 8 mm) has grey lime and the top layer (ca 3 mm) has white lime. The filler of the top layer, with much lime, slightly resembles CC1. The decoration in room 15 is connected with the original floor level, while the decoration in cubiculum 3 is connected with a raised floor. The plaster in room 15 was expected be of the same kind as in cubiculum 2 (CC1), but it is not.

Analyses
Sample investigated at CNR/ICVBC. 3 layers. Inferior:
The intermediate layers of CC5 and CC11b are similar. Similar to CA3, Casa delle Amazzoni.
### VI 9, 3-5 Casa del Centauro

<table>
<thead>
<tr>
<th>Sample no</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>Room 5B, north wall.</td>
</tr>
<tr>
<td>Decoration</td>
<td>White stucco.</td>
</tr>
<tr>
<td>Layer</td>
<td>Layer behind the <em>opus incertum</em> wall between rooms 5B and 5C.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Plaster</th>
<th>Black and white, lots of crystals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Binder</td>
<td>White, slightly beige lime with some lumps.</td>
</tr>
<tr>
<td>Filler</td>
<td>Angular and rounded, very small grains 0.2-0.5 mm, medium 0.8-1mm and a few large 1.5-2mm.</td>
</tr>
<tr>
<td></td>
<td><em>Compact</em>: Mainly black and warm grey.</td>
</tr>
<tr>
<td></td>
<td>Black with red dots.</td>
</tr>
<tr>
<td></td>
<td><em>Porous</em>: Small red.</td>
</tr>
<tr>
<td></td>
<td><em>Crystalline</em>: Lots of long black. Transparent uncoloured, grey, green and yellow.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stucco</th>
<th>3 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lime</td>
<td>Creamy white.</td>
</tr>
<tr>
<td>Filler</td>
<td>Very small calcite crystals.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Plaster type</th>
<th>CC 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group</td>
<td>A (Ab)</td>
</tr>
</tbody>
</table>

**Comments**

The *opus incertum* wall belongs to the period of the domus of the 2nd century BC, therefore this layer must be earlier. Very small grains. Very similar to CC1, but more black particles, angular and rounded. Same as CC11a, 12, 15, 16, 18.

**Analyses**
VI 9, 3-5 Casa del Centauro

Sample no  
7

Location  
Room 32, north-west corner.

Decoration  
-

Layer  
Layer covered by no. 7b.

Plaster  
Black and white, large grains

Binder  
Clean lime, much.

Filler  
Mainly rounded medium size particles 0.8-1.5 mm. Some small 0.2-0.5 mm, and some large 2-2.5 mm.

Compact: Mainly black, some pale grey, beige and brown. Black with red dots.

Porous: Red.

Crystalline: Black. Transparent uncoloured and grey crystals

Stucco  
-

Lime  
-

Filler  
-

Plaster type  
CC 2

Group  
B

Comments  
Large grains. Same as CC2, 3 and 4. The same kind of plaster as used for the decoration of cubiculum 3 with alcove.

Analyses -
VI 9, 3-5 Casa del Centauro

Sample no: 7b
Location: Room 32, north-west corner.
Decoration: Layer covering 7a.
Layer:

Plaster: Black and white, large grains
Binder: White lime, much.
Filler: Mainly medium size particles 0.8-1.5 mm, some small 0.2-0.5 mm, and large 2-2.5 mm.
Compact: Mainly black, some pale grey, beige and brown.
Porous: Red.
Crystalline: Black. Transparent uncoloured and grey crystals.

Stucco: 8 mm
Lime: White lime.
Filler: Large and small calcite crystals.

Plaster type: CC 2
Group: B

Comments:
Same as CC3.

Analyses -
VI 9, 3-5 Casa del Centauro

<table>
<thead>
<tr>
<th>Sample no</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location</strong></td>
<td>Room 32, north-east corner.</td>
</tr>
<tr>
<td><strong>Decoration</strong></td>
<td>White stucco.</td>
</tr>
<tr>
<td><strong>Layer</strong></td>
<td>Last decoration.</td>
</tr>
</tbody>
</table>

| **Plaster** | Black and white, large grains |
| **Binder** | Clean white lime with beige lumps. Much. |
| **Filler** | Mainly medium size particles 0.8-1.5 mm, some small 0.2-0.5 mm, and large 2-2.5 mm. **Compact**: Mainly black and pale grey. A few beige and brown. **Porous**: Red. **Crystalline**: Black and transparent grey, and uncoloured crystals. |

| **Stucco** | 4 mm |
| **Lime** | White lime. |
| **Filler** | Large and small calcite crystals. |

| **Plaster type** | CC2 |
| **Group** | B |

**Comments**
The sample consists of small fragments.

**Analyses** -
VI 9, 3-5 Casa del Centauro

Sample no 9
Location Room 16, Corinthian atrium, west wall, socle, at the level of the floor.
Decoration Black decoration.
Layer

<table>
<thead>
<tr>
<th>Material</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plaster</td>
<td>Grey plaster, small grains</td>
</tr>
<tr>
<td>Binder</td>
<td>Slightly beige lime.</td>
</tr>
<tr>
<td>Filler</td>
<td>Mainly rounded very small grains 0.1-0.4 mm between medium size 0.5-0.8 mm. A few large 1.5 mm.</td>
</tr>
<tr>
<td></td>
<td>Compact: Mainly black, pale and warm grey. A few ochre.</td>
</tr>
<tr>
<td></td>
<td>Porous: Red.</td>
</tr>
<tr>
<td></td>
<td>Crystalline: Black, transparent grey, uncloured and a few green, yellow and orange.</td>
</tr>
<tr>
<td>Stucco</td>
<td>9 mm</td>
</tr>
<tr>
<td>Lime</td>
<td>White lime.</td>
</tr>
<tr>
<td>Filler</td>
<td>Small and large calcite crystals.</td>
</tr>
</tbody>
</table>

Plaster type CC5
Group 0

Comments
Same group as CC5.

Analyses -
VI 9, 3-5 Casa del Centauro

Sample no 10

Location  Room 16, Corinthian atrium.
Decoration White, green, brown stripe.
Layer Fragment.

Plaster Black and white, lots of crystals
Binder Clean lime.
Filler Mainly rounded medium size grains 1-1.5 mm and large 2-3.5 mm.
Compact: Black, pale and warm grey, a few beige and brown. Black with red dots.
Porous: Red.
Crystalline: Black, transparent grey and uncoloured.

Stucco 10 mm
Lime Creamy white lime.
Filler Large and small calcite crystals.

Plaster type CC 1
Group A (Ab)

Comments
Same as CC1 and CC11a. Same period as the yellow socle in cubiculum 2. According to archaeological interpretation the fragment belongs to Period III, phase 2 (end of 3rd century BC). It was placed in nucleo IV.

Analyses -
VI 9, 3-5 Casa del Centauro

Sample no 11a
Location 1, fauces.
Decoration Black with a red stripe.
Layer Fragment found below raised floor.

Plaster Black and white, lots of crystals
Binder Clean white lime.
Filler Angular and rounded small particles 0.5-0.8 mm
between medium size 1.2-1.5 mm. A few large.
Compact: Mainly black, pale and warm grey and
a few brown.
Porous: Small red.
Crystalline: Many long black.
Transparent uncoloured, grey and green.

Stucco -
Lime
Filler

Plaster type CC 1
Group A (Ab)

Comments
The fragment was found in the filling for the raised floor at the
level of the 4th - 3rd century BC. It may be from the most antique
decoration.

There is no paint layer on the sample, just plaster and preparation
for paint layer. It is of the same kind as CC1 and CC6. Same
period as the yellow socle in cubiculum 2.

Analyses -
VI 9, 3-5 Casa del Centauro

Sample no 11b
Location 1, fauces.
Decoration Red decoration
Layer Fragment found below the raised floor

Plaster Grey plaster, small grains
Binder Grey lime with white lime lumps. Top layer: white lime.
Filler Mainly rounded very small particles 0.1-0.2 mm and some 1-1.5 mm, a few large 2-2.5 mm.
Compact: Mainly black, grey, some beige and brown, and a few ochre.
Porous: Red.
Crystalline: Black, transparent uncoloured, green, yellow and orange.

Stucco 1-2 mm
Lime White lime.
Filler No crystals.

Plaster type CC 5
Group 0

Comments
This fragment was found in the same stratum as the fragment, sample 11a. The fragments have different kinds of decoration and the plasters look different too. This plaster resembles plaster type CC5. Same group as CC5. In the archaeological documentation is mentioned fragments with red decoration in period III phase 1, nucleo I. This fragments plaster type fits with the period: plaster CC5 and the motif a onda belong to the same period.

Analyses
Sample analysed at CNR/ICVBC. Three layers.
VI 9, 3-5 Casa del Centauro

Sample no 12

Location Room 4, atrium.
Decoration Fragment.
Layer Plaster layer on clay construction (pisé).

Plaster Black and white, lots of crystals
Binder Clean lime.
Filler Angular and rounded, small and large particles
  Compact: Mainly black and pale grey.
  Porous: Small red.
  Crystalline: Many black. Transparent grey, uncoloured and a few green and yellow.

Stucco -

Lime -

Filler -

Plaster type CC 1
Group A (Ab)

Comments
No stucco on the sample. It belongs to the same group as CC1.

Analyses -
VI 9, 3-5 Casa del Centauro

Sample no 13
Location Room 4, atrium.
Decoration Wall decoration, “a onda”.
Layer Fragment.

Plaster Grey plaster, small grains
Binder Grey lime.
Filler Mainly rounded, small and large particles.
Compact: Mainly black and grey, some beige and brown.
Porous: Small red.
Crystalline: Many black. Transparent grey, uncoloured, green, yellow and orange.

Stucco 1-2 mm
Lime Clean lime.
Filler No crystals.

Plaster type CC 5
Group 0

Comments
CC13 top same as CC17. This kind of motif should be dated to mid-samnitic period around late 4th century-beginning of 3rd century BC. Same group as CC5. This fragment belongs to period III, phase 1, nucleo II. Period III is in the middle Samnite period between of the 4th and the beginning of the 3rd century BC the end.

Analyses
VI 9, 3-5 Casa del Centauro

<table>
<thead>
<tr>
<th>Sample no</th>
<th>14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>cubiculum 5C</td>
</tr>
<tr>
<td>Decoration</td>
<td>Wall decoration, “a fasce”, red, white, black.</td>
</tr>
<tr>
<td>Layer</td>
<td>Fragment</td>
</tr>
<tr>
<td>Plaster</td>
<td>Grey plaster, small grains</td>
</tr>
<tr>
<td>Binder</td>
<td>Slightly grey lime</td>
</tr>
<tr>
<td>Filler</td>
<td>Large and small particles</td>
</tr>
<tr>
<td></td>
<td>Compact: Mainly black and pale grey. Some brown.</td>
</tr>
<tr>
<td></td>
<td>Porous: Red.</td>
</tr>
<tr>
<td></td>
<td>Crystalline: Many black. Transparent grey, uncoloured, green and yellow.</td>
</tr>
<tr>
<td>Stucco</td>
<td>-</td>
</tr>
<tr>
<td>Lime</td>
<td></td>
</tr>
<tr>
<td>Filler</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Plaster type</th>
<th>CC 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group</td>
<td>0</td>
</tr>
</tbody>
</table>

**Comments**

No stucco on the sample.
CC13 and 14 are of the same kind as CC5. The fragment that was placed in nucleo IV (period III, phase 2, end of the 3rd century BC) has a plaster that belongs to the same group as CC5.

**Analyses** -
VI 9, 3-5 Casa del Centauro

| Sample no | 15 |
| Location  | cubiculum 5B |
| Decoration| Ceiling fragment, white decoration. |
| Layer     | Fragment. |

**Plaster**

<table>
<thead>
<tr>
<th>Black and white, lots of crystals</th>
</tr>
</thead>
</table>

**Binder**

<table>
<thead>
<tr>
<th>Clean white lime, much.</th>
</tr>
</thead>
</table>

**Filler**

Angular and rounded, mainly small grains. A few large.  
*Compact*: Mainly black and pale grey.  
*Porous*: Red.  
*Crystalline*: Many black. Transparent grey, uncoloured, green, and yellow.

**Stucco**

| - |

**Lime**

| |

**Filler**

| |

**Plaster type**

| CC 1 |

**Group**

| A (Ab) |

**Comments**

No stucco on the sample. Same period as the yellow socle in cubiculum 2.

**Analyses**

-
VI 9, 3-5 Casa del Centauro

<table>
<thead>
<tr>
<th>Sample no</th>
<th>16</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location</strong></td>
<td>cubiculum 5B</td>
</tr>
<tr>
<td><strong>Decoration</strong></td>
<td>Ceiling decoration, blue.</td>
</tr>
<tr>
<td><strong>Layer</strong></td>
<td>Fragment.</td>
</tr>
</tbody>
</table>

**Plaster**
Black and white, lots of crystals

**Binder**
Clean white lime, much.

**Filler**
Angular and rounded very small particles
- *Compact*: Mainly black and pale grey.
- *Porous*: Small red.
- *Crystalline*: Many black. Transparent grey, uncoloured, green and yellow.

**Stucco**
8 mm

**Lime**
White lime.

**Filler**
Small calcite crystals.

**Plaster type**
CC 1

**Group**
A (Ab)

**Comments**
Same period as the yellow socle in cubiculum 2.

**Analyses -**
VI 9, 3-5 Casa del Centauro

Sample no  17
Location  Atrium 4
Decoration  Wall decoration, white with black and red bands, and with an impressed line “cordino”.
Layer  Fragment.

Plaster  Black and white, lots of crystals
Binder  Clean white lime.
Filler  Angular and rounded, small particles.
Compact  Mainly black. A few pale grey and brown.
Porous  Red.
Crystalline  Black, transparent grey, uncoloured, green and yellow.

Stucco  3 mm
Lime  Pink stucco.
Filler

Plaster type  CC 5
Group  0

Comments
The sample is similar to CC11b which belongs to the same group as CC5, but also has similarities with CC1, e.g relatively clean lime, many crystals. The fragment was placed in nucleo IV (end of the 3rd century BC), in a group of fragments painted in red, black and white.

Analyses
VI 9, 3-5 Casa del Centauro

Sample no 18
Location cubiculum 5B
Decoration White panel with recessed yellow border.
Layer Fragment.

Plaster Black and white, lots of crystals
Binder Clean white lime.
Filler Angular and rounded, small particles 0.2-0.5 mm, 1-1.5 mm, and a few 3-4 mm.
Compact: Black, pale grey, a few brown.
Porous: Red.
Crystalline: Black, transparent grey, green and yellow.

Stucco -
Lime -
Filler -

Plaster type CC 1
Group A (Ab)

Comments
No stucco on the sample. The fragment belongs to a group of yellow and white fragments placed in nucleo III, (end of the 3rd century BC). The decoration was part of space E in the protocasa, now room 5B, with yellow socle and white main zone. The plaster is of the same kind as on the yellow socle in cubiculum 2.

Analyses -