

## Reproducing the Wall Painting of the Abduction of Persephone (Vergina-Macedonia): Conditions and Restrictions for a Successful Archaeological Experiment

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Table 1

Brecoulaki <i>La peinture funéraire de Macédoine</i>  Persephone		Poros stone surface = Wetting the wall once the night before and once more before plastering?
	$\alpha$	<p><i>Lime plaster + sand, 1-2cm thick</i>  <i>“mortier assez grossier” = “fairly coarse mortar”</i></p> <ul style="list-style-type: none"> <li>-River sand from neighboring Aliakmon river, poros debris (on-site carving of tomb), or both?</li> <li>-Size of sand particles: thick + medium + fine? Thick + medium? Thick + fine? In what ratio?</li> <li>-Ratio of lime and sand: 1:2,2? 1:2,5? 1:3? Other ratio?</li> <li>-Poros stone: application of mixture in 1 or 2 doses? [a) Diluted with water – b) neat or a) neat - wet the surface - b neat?] Other application method?</li> <li>-Hot mixture of lime and sand or cold? (<math>\alpha</math> only)</li> </ul>
	$\beta$	<p><i>Lime plaster + sand, 0,3-0,7mm thick</i>  <i>“texte plus fine ... contient moins de sable et plus de chaux” = “finer texture ...contains less sand and lime”</i></p> <ul style="list-style-type: none"> <li>-Size of sand particles: fine or medium + fine?</li> <li>-Ratio of lime and sand: possibly 2:1.</li> <li>-Application of layer on fresh, almost dry or dry <math>\alpha</math>?</li> <li>-Wetting of surface before application of layer with water, lime-water, or very dilute milk of lime?</li> <li>-Application of mixture in 1 or 2 doses?</li> </ul>
$\gamma$	<p><i>Lime plaster, 2-5 mm thick</i>  <i>“chaux et a été soigneusement lissée” = “lime that has been carefully smoothed”</i></p> <ul style="list-style-type: none"> <li>-Application of lime in how many doses? Layers of diluted lime followed by neat lime or just neat? Other method?</li> <li>-Application of layer on fresh, almost dry or dry <math>\beta</math>?</li> <li>-Wetting of surface before application of layer with water, lime-water, or very dilute milk of lime?</li> <li>-Pigments suspended in water, boiled rain water, lime-water, or very dilute milk of lime (lime: water ratio 1:6-1:10)?</li> <li>-Age of lime used? (more important in <math>\gamma</math>)</li> </ul>	