

Characterization of Mortars and Plasters from Ancient Monuments of Milan (Italy)

Giulia Baronio¹ and Luigia Binda²

Abstract:

Lime mortars have been sampled from ancient monuments of Milan. Some of their physical and chemical characteristics have been determined. Particularly interesting are lime mortars containing crushed and powdered bricks call “cocciopesto” mortars. Microscopic observation of the interface between brick fragments and binder have shown the existence of a “bond layer.” Similar “bond layers” have been noted in brickwork joints at the interface between bricks and lime mortars. The presence of the layer seems to insure better bond strength to the joint.

To purchase full article: Please use this direct link to purchase the TMS Journal Volume of this article, Volume 7, Issue 1: <https://masonrysociety.org/product/tms-ejournal-vol-7-no-1/>

Otherwise, consider becoming a TMS member for full access to all TMS Journal articles: <https://masonrysociety.org/membership/#join>

DOI: 10.70803/001c.141535

¹ Associate Professor, Department of Structural Engineering, Politecnico of Milan, Italy.

² Associate Professor, Department of Structural Engineering, Politecnico of Milan, Italy.