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## Recovery systems of the architectonic surfaces in "tufo" stone

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This paper describes the common deterioration signs and traditional and new conservation techniques of stone elements in typical phlegraean "Tufo", used in historical buildings and monuments.

The volcanic tuff stone, characteristic of the Phlegraean Fields volcanic region, is used, and was used in the past, widely in building industry.

Many historically significant buildings and monuments, in the area around the mount Vesuvius, are made with this porous stone. When the effectiveness of the protective plaster layer is ruined by deterioration phenomenon, these stone materials are highly vulnerable.

This paper presents as well the results of the laboratory test, that analyzed the performance of the new conservation techniques.