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QIRT-2024-097**ABSTRACT****PRESENTATION****PAPER**

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USING IR THERMOGRAPHY TO MONITOR MOISTURE DIFFUSION AND CAPILLARY RISING DAMP IN CLAY BRICKS

IR thermography is used to monitor in time the progress of moisture in a typical porous material, the clay bricks, that are used in new buildings, as a replacement of old/damaged ones and in restoration of ancient buildings. The porous materials in contact with water absorbs it progressively, de-

pending on its porosity and the environmental conditions. Two experiments are monitored by IR thermography by collecting IR images in time of a brick that is moistened with a humid sponge, in one case, and, in the second case, with the base immersed in water. Results are discussed.