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Temperature and moisture evolution beneath an aerogel based rendering applied to a historic building.

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Abstract

Retrofitting of buildings defined as cultural heritage with respect to energy consumption and thermal comfort of the occupants is a demanding endeavor due to the additional requirements of the conservation aspect. Within a pilot project an inhabited mill in Sissach/Switzerland whose first mention dates back to the 14th century has been retrofitted by using a highly insulating external rendering containing SiO₂ aerogel and mainly mineral

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