Behaviour of Roofing Materials Facing to Micro-Organisms

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ABSTRACT

An accelerated water-streaming test was used to evaluate several roofing materials regarding their behavior to colonization by algae, by closely reproducing the phenomenon of natural biological soiling. A set of roofing materials with defined physical and chemical characteristics was thus investigated against the colonization by algae. Porosity, roughness and chemical composition showed to be factors of influence in the establishment of these micro-organisms.

Keywords: Building Materials, Fired Clay Products, Water-Streaming Test, Micro-Organisms, Colonization

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