

# **The Influence of External Factors on Thermo-Physical and Continual Mechanical Properties of Mineral Wool Boards**

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**Key words and phrases:** aging; freeze-thaw cycles; longevity; mineral wool board; thermal conductivity; ventilated façade; water absorption.

**Abstract:** The paper is devoted to the study of the impact of freeze-thaw cycles on the heat conduction coefficient; the linear dimensions and loss of mass of mineral wool boards of different density have been analyzed. The influence of geometric parameters of ventilated facade on thermal resistance changes of mineral wool board has been described.

The thermal conductivity increases with the rise in relative deformation and its reduction under aging. The results of the study of thermo-active regularity of destruction, deformation and water absorption of mineral wool boards have been presented.