

INFLUENCE OF ENVIRONMENTAL FACTORS ON THE TECHNICAL CONDITION OF LIVESTOCK BUILDINGS

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Abstract

Livestock buildings are constantly exposed to environmental factors that influence their durability, safety and functionality. The specific environment of livestock farms is characterized by high humidity, temperature variations, the presence of aggressive gases, manure and biological agents, which contribute to the progressive degradation of building materials. The paper analyzes the main mechanisms of deterioration of structures used in livestock farming, with an emphasis on concrete and reinforced concrete elements. The effects of chemical, physical and mechanical aggressions are presented, as well as their manifestations on livestock buildings. The necessary measures to prevent degradation and to increase the service life of buildings intended for livestock farming are also highlighted.

Key words: *livestock buildings, concrete, durability, environmental factors, corrosion, structural degradation*