concrete volume.

7 FUTURE RESEARCH DIRECTIONS

Future research should focus on refining modeling inputs, specifically in determining surface concentration, especially within environmental classes XD1-XD3, relevant to chlorides in the Czech Republic. It should also explore the determination of chloride threshold values in waste concrete, their diffusion and aging coefficients, and reaction factors for optimal use of the resistivity model. A key research area involves innovative methodologies for more precise data measurement and control, ideally through continuous nondestructive methods. The potential of waste materials in concrete production for environmentally friendly construction practices should be investigated. Financially viable alternatives like prefabricated bricks or blocks made from recycled materials deserve attention for their alignment with sustainable construction goals. Additionally, a thorough evaluation of the sustainability aspects of waste concrete, covering its life cycle and environmental impact, is crucial for informed decision-making in construction practices. Addressing "greenwashing" in the concrete industry, where sustainability claims may lack substantiation, is imperative. Future research must establish robust criteria to distinguish genuine environmentally conscious practices from mere marketing strategies.

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