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Application of sensitivity analysis in the life cycle design for the durability of reinforced concrete structures in the case of XC4 exposure class

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1 **Application of sensitivity analysis in the life cycle**
2 **design for the durability of reinforced concrete**
3 **structures in the case of XC4 exposure class**

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14 **Abstract**

15 The aim of this study is to develop a new design procedure for the
16 durability of the Reinforced Concrete (RC) structures in aggressive
17 environments. The study approach developed here includes: (i) a qualitative
18 analysis phase to characterize the design parameters and environmental
19 exposure conditions of RC structures; (ii) a quantitative analysis phase, to

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