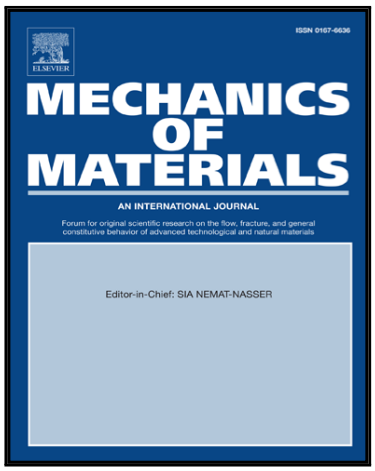

Micromechanics based damage model for predicting compression behavior of polymer concretes

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Highlights

- Compressive behavior of polymer concrete is investigated using micromechanics approach and cohesive zone model.
- Necessary parameters of cohesive zone model are obtained from Mohr-Coulomb criterion for polymer concrete.
- Effect of different parameters is investigated on the compressive strength of polymer concrete.