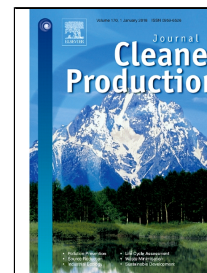


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Compressive strength and microstructure analysis of geopolymer paste using waste glass powder and fly ash

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Highlights

- Geopolymer pastes produced from waste glass powder (WGP) and high-calcium fly ash (FA).
- WGP were ground fluorescent lamp glass (FP) and ground container glass (CP).
- The compressive strength and microstructure of geopolymer pastes were investigated.
- WGP and FA can be used to produce geopolymer paste with 7-d compressive strengths of 34-48 MPa.
- The denser microstructure by SEM and MIP were closely related to the better compressive strength.

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