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# Influence of surface oxidation on the radiative properties of $\text{ZrB}_2\text{-SiC}$ composites

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## Highlights

- Surface component affected radiative properties of  $\text{ZrB}_2\text{-SiC}$  composites significantly.
- Emissivity in long-wave range gradually increased with the thickness of oxide scale.
- The surface temperature had a little effect on radiative properties of composites.
- Influence of surface roughness on emissivity could be negligible.
- Covering the surface with glass is a method for improving radiative properties.

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