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# Sample Preparation of Anodised Aluminium Oxide Coatings for Scanning Electron Microscopy

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## Research Highlights

- Anodised aluminium oxide coating samples were prepared for SEM examination.
- Three preparation methods were trialled to assess coating thickness and structure.
- Cryogenic fracturing was found to be destructive to samples.
- Mechanical fracturing provided relatively accurate coating thickness measurements.
- Coating structure could only be evaluated from mechanically fractured samples.

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