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Impact Protection of Borosilicate Glass Plates with Elastomeric Coatings in Drop Tower Tests

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## Highlights

- Drop tower testing was performed on borosilicate glass plates
- Effectiveness of an elastomeric polyurethane/urea coating against impact was investigated
- Critical impact parameters were determined at the onset of catastrophic fractures of the uncoated and coated glass specimens
- The overall coating effectiveness of the coating was estimated to be 7.28
- The high effectiveness of the elastomeric coating can be achieved for a coating thickness as small as 1.3mm

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