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Influence of Lateral Dimensions, Obliquity, and Target Thickness toward the Efficiency of Unconfined Ceramic Tiles for the Defeat of Rod Penetrators

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Highlights

- Prior work on penetrator dwell at finite-thickness ceramic tiles is extended.
- Effects of lateral dimensions, obliquity and target thickness are studied experimentally.
- The basic mechanisms gradually diminish for smaller tiles and oblique targets.
- The oblique configurations show no tendency for increased mass efficiency.
- Here, obliquity is no approach to allow for lighter protective elements.

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