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Experimental Study on the Dependency of the Ballistic Performance of Tiled Ceramic / Metal Targets on Inter Tile Gap Width and Projectile Impact Position

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## Highlights

- Weakest zone of tiled ceramic armor is not the inter tile gap but the tile edge
- Size of these zones may corresponds to the caliber of the used threat
- Even inter tile gaps of zero millimeters significantly weakens the tile edge
- Slight variation of impact position changes completely ballistic behavior of target
- Adhesive stiffness influences the weakness effect

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