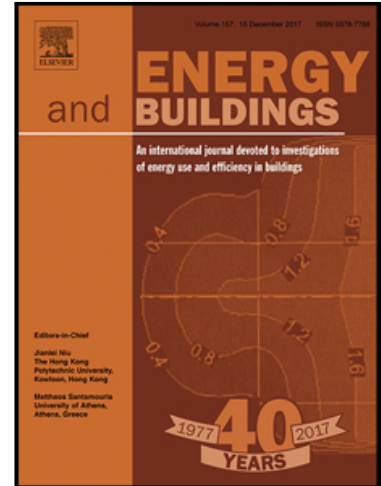


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Building Energy Savings Potential of a Hybrid Roofing System Involving High Albedo, Moisture Retaining Foam Materials

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Highlights:

- A technology with positive aspects of both green and white roofs is proposed
- Thermal performance is investigated by running annual simulations with WUFI
- An archetype commercial building was simulated in different U.S climates
- In all climates the proposed roof requires less cooling energy than white or green roofs
- The proposed roof generally results in lower heating energy than white or green roofs

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