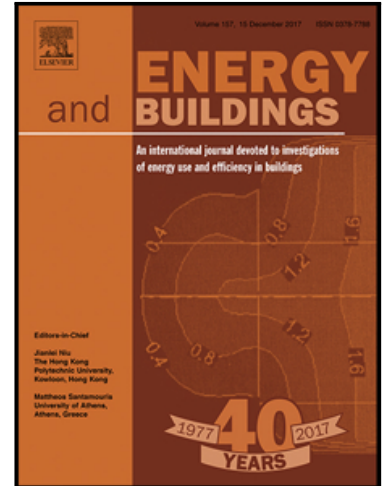


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Experimental investigation of the influence of temperature on thermal conductivity of multilayer reflective thermal insulation

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HIGHLIGHTS

- Lower surface emissivity improves the effectivity of reflective insulations
- Thermal dependence of reflective insulations is higher than foam insulations
- Thermal dependence of reflective insulation is linearly increasing between 5-35°C
- After 9 layers the additional reflective layer has no relevant improvement
- Differential planning is recommended for winter and summer season

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