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Two new methods for the in-situ measurement of the overall thermal transmittance of cold frame lightweight steel-framed walls

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Highlights

- Measurement of U-value for lightweight steel frame (LSF) walls, $U_{overall}$
- Two new methods for in-situ measurement of the $U_{overall}$ for cold frame walls
- Theoretical analysis of the methods on cold and hybrid LSF walls
- Experimental validation of methods on a cold frame LSF wall

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