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The UN has identified passive cooling strategies as one of the most important approaches to reducing energy use for cooling in buildings. This solicitation is missing this application area and it could have a profound impact on reducing energy use for cooling in residential buildings.

SkyCool systems is developing a passive cooling film that can significantly reduce heat entering building envelopes. The film is not an insulation product but it will keep the outdoor surface of the building, cooler than the ambient, even during the middle of the day. As a result, we have measured up to an 88% reduction in heat conduction through roofs.