



Ventilated Trombe wall as a passive solar heating and cooling retrofitting approach; a low-tech design for off-grid settlements in semi-arid climates

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Trombe Walls

India

Using a Trombe wall which is part of an exterior wall composed of a glazing surface directed at sun exposure behind the glazing there is an air void then a thermal mass wall made out of compressed earth blocks painted black to absorb the solar radiation and store heat behind the glazing and in the high thermal mass wall.

Energy Efficiency

Passive use of solar

Low-tech design

7 AFFORDABLE AND CLEAN ENERGY



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



11 SUSTAINABLE CITIES AND COMMUNITIES

