

COOL ROOFS IN INDIA

COATINGS

Cool Roof Coatings: Can be a simple limestone whitewash (costing less than Rs 20/sq ft) or a good quality reflective coating (costing Rs 80/sq ft). They also offer UV protection, protection from water and damage caused by chemicals.



📷 EPIC INDIA



📷 DECCAN CHRONICLE

OTHER OPTIONS

Earthen Pot Insulation System: Walls are covered with earthen pots placed upside down. This entraps air which keeps the building cool in summers and warm in winters.



📷 MANSI SHAH

Green Roofs: A roof garden can create a cool roof. But the water requirements for the garden and the drainage mechanism add to costs.



FEATURES

- Suited to hot Indian weather conditions.
- Reflects most of the sunlight, thus keeping the building cool.
- Temperatures in a cool roof building can be 40° C (as opposed to 65° C in a non-cool roof building)

TILING

Tiling Solutions: Flat roofs are covered with white or light coloured glazed tiles and sloped roofs are covered with cool shingle tiles, slate tiles. Other coatings can be applied to increase their reflectivity.

METAL ROOFS

Metal Roofs: While metal roofs have little capability to re-emit absorbed heat, this can be improved by applying cool roof paints and coatings.

Solar Panels: Installing solar panels is another alternative to cool roofs but with installation costs usually 10 to 50 times higher than other cool roofs.



CAG

Citizen consumer and civic Action Group

Citizen consumer and civic Action Group (CAG)
No.103 (First Floor), Eldams Road, Teynampet, Chennai 600 018.
www.cag.org.in | T: +91(44) 2435 4458 | 2435 0387
Email helpdesk@cag.org.in