

Semi-Confined Unreinforced Brick Masonry (SC-URBM)

October 27, 2022 • vajiramandravi.com



About Semi-Confined Unreinforced Brick Masonry (SC-URBM):

- Most buildings, technically called unreinforced masonry (URM), were **not built using modern building codes**. Thus they are much more likely to experience damage or collapse during an earthquake.
- SC-URBM can resolve the problem of spread of settlements in earthquake-prone areas with constructions that have been built without following earthquake-preventive building codes.
- SC-URBM can significantly **enhance the energy dissipation capacity and ductility of the retrofitted building without compromising its strength**. Hence such buildings would have resulting superior performance in comparison to URBM buildings during earthquakes.
- It involves **embedding of reinforced concrete (RC) bands** through the partial thickness of the wall and can be implemented or retrofitted in old buildings.

Source: <https://vajiramandravi.com/current-affairs/semi-confined-unreinforced-brick-masonry-sc-urbm/>

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