

Waterproofing of Terrace for Gardening purpose :-

It is important to design a structurally sound building. Proper design, proper supervision, care during construction & providing waterproofing to terrace including parapet is necessary.

If owner/tenant desires to propose landscape on terrace, he must give proper instructions after obtaining guidance/ designs for Landscape Designer. This data has to be supplied to the Architect as well as structural engineer. The type of vegetation, plants, lawns, water-bodies if any must be thoroughly planned after due consideration to location, sizes of planters, type of soil, proper drainage with filters, for frequent cleaning etc.

There are two types of waterproofing requirements namely 1) Preventive Water Treatment & 2) Curative Water Treatment

1. Preventive Water Treatment can be provided during construction A well thought landscape with adequate slopes at terrace levels & necessary waterproofing treatments such as brickbat coba, along with IPS flooring with smooth cement finish added with waterproofing component (Impermo 2%) is ideal. Rounded of parapet & slab joints & treatment to parapet also needed. The supervision during construction, adequate curing & frequent cleaning of drainage pipes are essential activities.
2. Curative Water Treatment :- Where the buildings are already constructed & some leakages at terrace level are observed, it is necessary to obtain advice pf Structural Engineer. If the building has no severe structural defects then waterproofing companies after inspection will suggest appropriate course of chemicals, membranes etc. However the treatment has to be provided by a qualifying & experiencing Agency. A list of persons engaged in tnis business is given below.

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Tips :-

1. Do not provide planters or plants near to parapet as the heated parapets will destroy it.
2. As far as possible use earthen pots & not concrete pots in hot climate.
3. Maintain proper gradient for drainage (1'40')
4. Do not stack left over materials such as bricks, sand, aggregate etc. in cantilever balconies since they will crack in due course of time.
5. Do not change pattern of vegetation without consulting landscape Architect.
6. Clean Rainwater pipes, drainage pipes before onset of Monsoon. Since the blockages will not allow smooth drainage.
7. Do not scrap the treated waterproof surface of terrace during gardening .

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