

# Developing A Radon Protection Strategy For A Building

**Strategy Objective:**  
To Protect The Health <sup>(i)</sup>  
Of Building Occupants

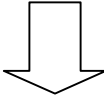
<sup>(i)</sup> refer to EU 'precautionary principle'

**Indicator :** **10 - 40 Bq/m<sup>3</sup>**  
(average indoor radon activity level should fall within above range)  
(maximum indoor radon activity level at any time **60 Bq/m<sup>3</sup>**)

**Radon Protection Generally**

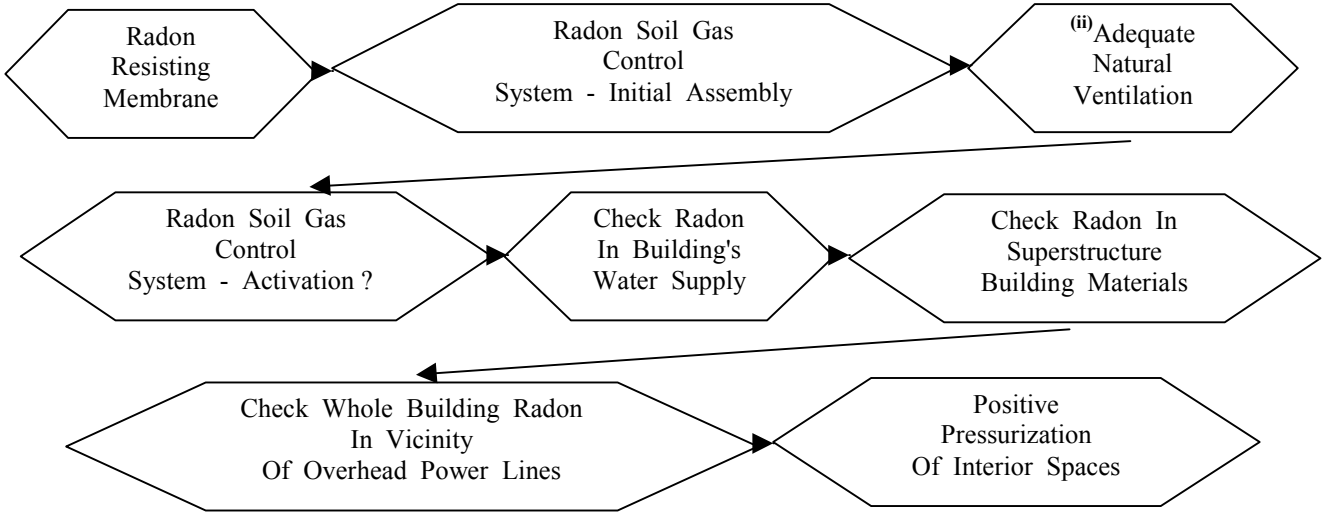
- ◆ Pre-construction site investigation
  - soil radon activity at different depths
  - soil permeability
  - soil moisture
- ◆ Design building for radon protection
- ◆ Use appropriate forms of construction
- ◆ Check imported hardcore & other soils

**Test - Test - Test - Test - Test**



## Radon Protection Measures

May be Passive or Active



<sup>(ii)</sup> Carbon dioxide concentrations in a building should not significantly exceed average external levels, i.e. typically within the range of 300 - 500 parts per million (ppm) , and should at no time exceed 800 ppm.