

Section-2

Material used for collector can be classified as:-

- ① Thermophysical Properties such as thermal conductivity, heat capacity etc.
- ② Physical Prop. like density, tensile strength, melting point etc. and Environmental Properties like. Moisture Penetration, corrosion resistance and degradation due to pollutants in ~~atmosphere~~ atmosphere.
- ③ Some commonly used Material are crown white wool glass wool, calcium silicate, Cellular Foam
- ④ other Materials for insulation should have low thermal conductivity. Should be stable at high temp.
- ⑤ other Material which are used for absorber plate is copper because of high conductivity and resistance to corrosion.