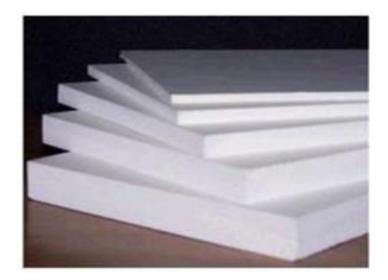
Building Materials Lect. Harish Gupta Inst. Kuldeep Department of Architecture Govt. Polytechnic Panchkula

> Lecture Wall Finishes

THERMOCOL

In 1951 the researchers of a German company named BASF successfully restructured chemical bonding of polystyrene (a synthetic petroleum product) molecules and developed a substance named stretch polystyrene. This substance was named Thermocol, which nowadays is manufactured through a simple process. Thermoplastic granules are expanded through application of steam and air. Expanded granules become much larger in size but remain very light





Uses of Thermocol.

- 1. Thermocol is a type of plastic and has good thermal insulation properties.
- 2. It can also be molded to any desired shape in Plastic molding machine.
- 3. Thermocol tiles ae used in false ceiling and as face tiles.
- 4. Thermocol is very light and is not adequately strong. It gets abraded with slight friction. Hence for thermally insulated partitions, it is only a filling material and not a surface material.
- 5. Thermocol has a good sound insulation properties from sound transfer point of view and from acoustic effects.