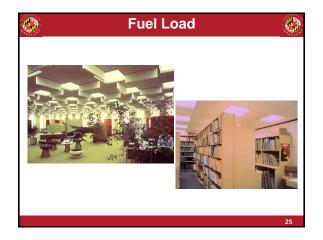
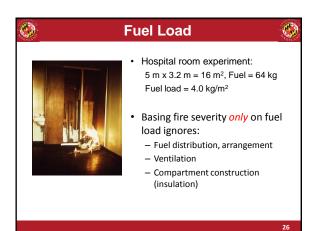


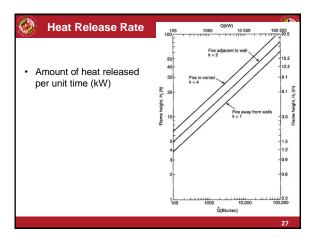
Heat of Combustion Fuel Heat Of Combustion Wood (oak sawdust) 19.7 kJ/g Wood (pine sawdust) 22.5 kJ/g 39.2 kJ/g Polystyrene Polyurethane 27.2 kJ/g Polyvinylchloride 16.5 kJ/g Corrugated carton 13.9 kJ/g Newspaper 18.3 kJ/g

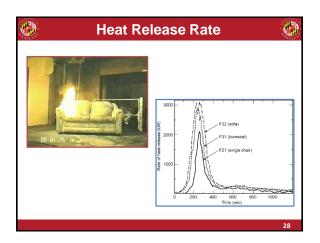
Heat of Combustion
 Property used in fuel load calculations
 Total quantity of fuel present

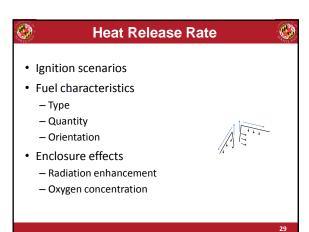
 Where mixed fuels are present, combine weights of all fuels through equivalent weight of wood concept:
 Fuel load = mass of wood that has same heat output as that produced by the mass of another material
 Example: 10 kg of polyurethane = (23.2/16.4)x10 = 14 kg wood











Organic fuels: For all fuels: CO₂, CO, H₂O, C, Hydrocarbons Fuel-specific gases: NO_x, SO_x, HCl, Cl₂, HCN, COCl₂... Inorganic fuels: metal oxides

