

COMBUSTION TOXICITY OF PBS PANELS

Premier Building Panels have undergone numerous fire tests for code recognition of our panels including ASTM E84 "Surface Burning Characteristics", ASTM E119 "Hourly Testing" UL 1715 "Corner Room Burn" etc. Panels that have been in real life fire scenarios have also shown that panels hold up well in these events. However, the question regarding gasses that are produced during combustion still arises from time to time.

One must take into account that when a material is burned gases are given off. In the case of PBS Panels the primary gases given off are carbon monoxide, carbon dioxide and water vapor. These are gases that are found in many fire situations in which organic materials are burning. These gases are around us all the time. In high concentrations or in the absence of oxygen asphyxiation can occur.

In fire situations the materials that compose the interior of the structure i.e. carpet, furniture etc. are the primary threat when considering toxic combustion gases. PBS Panels, when burned, give off by products that are similar to those found when wood is burned.

The building codes have evaluated Premier Panels and the panels have been found to meet these criteria, which includes fire testing. In addition, our extensive fire testing allows our panels to carry the mark of Underwriters Laboratories Inc.