Structural Panels for Hazard Resistant Structure

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The proposed Composite Structural Insulated Panels (CSIPs) are made of a low-cost, thermoplastic orthotropic glass/poly-propylene (glass-PP) laminate as the face sheet and expanded polystyrene (EPS) foam as the core, with a high face sheet/core moduli ratio. A series of study were performed on the innovative CSIPs as the following shows.

