

Exposure to Solvents

PorterSIPs provide both structure and insulation in one rigid panel. SIPs achieve their structural integrity with an "I" beam effect by using rigid sheets of Exposure I rated Oriented Strand Board (OSB) as the flanges of the "I" beam and a one pound density expanded polystyrene (EPS) foam core as the web of the "I" beam.

The key to this structure's performance is that the EPS core keeps the OSB skins from buckling by keeping them "in plane". This EPS core must be protected for the life of the structure from exposure to solvents that may damage the EPS. This is most important during SIP installation. Make sure to use construction sealants that are compatible with EPS such as PorterSIP Premium Polyurethane Construction Adhesive.

The EPS core of the panel can be destroyed by most solvents and petroleum based products. The installation of roof coverings, wall covering, or other materials attached to Porter SIPs must be completed with **only water-based materials** as materials containing solvents could lead to damage of the EPS.

Note: Eliminating solvent based VOC emitting construction materials by replacing them with water based alternatives helps further Green building practices to improve air quality performance in buildings. Porter supports these important initiatives.