



## SIP No. 2065

**Subject:** Exposure to Solvents

**Date:** November 2007

R-Control SIPs are commonly used as a structural component due to the fact that they provide both insulation and structure in a single component. R-Control SIPs are manufactured with Exposure I rated Oriented Strand Board (OSB) facings and a Foam-Control Expanded Polystyrene (EPS) foam core. The Foam-Control EPS provides the structural connection between the OSB facings and must be protected for the life of the structure from exposure to solvents that may damage the EPS.

### **Solvents:**

Foam-Control EPS may be attacked and damaged by some solvents and/or their vapors. The installation of roof coverings, wall covering, or other materials attached to R-Control SIPs must be completed with water based materials as materials containing solvents could lead to damage of the Foam-Control EPS.

In addition, temporary roof, wall or floor coverings must be breathable to ensure that any solvent vapors present in the construction of the R-Control SIP structure are able to breathe quickly through the temporary covering materials.

For example, the use of clear poly (not breathable) over asphalt paper may lead to a trapping of solvents that could damage the SIP structure.

Note: The use of water based adhesives, sealants, coatings, cleaning solutions, etc. help to meet the ever growing need to eliminate solvent based VOC emitting materials used in construction. Water based materials also further Green building practices to improve air quality performance in buildings. R-Control supports these important initiatives.



R-Control SIPs are made exclusively with Foam-Control EPS. R-Control SIPs and Foam-Control EPS are manufactured by AFM Corporation licensees.

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