

SIP Engineered Splines

Splines. Structural Insulated Panels are connected with surface splines, insulated splines, dimensional lumber splines, or engineered lumber splines.

Surface Splines. Surface splines consist of 3-inch wide by 7/16-in thick or thicker, OSB. At each panel joint, one surface spline is inserted into each of two tight-fitting slots in the core. The slots in the core are located just inside the facing. This connection is available, but not standard. Do not increase allowable loads.

Insulated Splines. Insulated splines are manufactured in the same manner as the overall SIP except with an overall thickness that is 1-inch less than the overall thickness of the panel to be joined. Edges are beveled. Do not increase allowable loads.

Dimensional Lumber Splines. Dimensional lumber splines consist of one or more plies of dimensional lumber. Not recommended due to thermal bridging.

Structural Splines. Structural splines consist of one or more plies of dimensional lumber or an engineered wood product. Used to increase allowable load capacity. Contact PorterSIPs for information.

