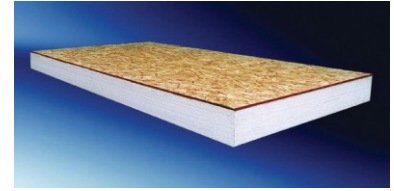


# NAIL-BASE UNDERLAYMENT FOR ROOF DECKS



## INSULLAM™



### ADVANTAGES

- **System Enhancing:** The use of InsulLam in low-slope applications may make a roof system eligible for an enhanced warranty from the membrane manufacturer. InsulLam can provide additional resistance to misuse, abuse and adverse weather conditions, such as high-winds and hail, than foam insulations.
- **Environmentally Friendly:** The core contains no formaldehyde or ozone-depleting CFC's or HCFC's, contains recycled material and is 100% recyclable if ever removed or replaced.
- **Stable R-Value:** Designers are well served knowing that InsulLam's thermal properties have no thermal "drift" and will remain stable over the entire service-life.
- **Proven Performance:** The same fundamental EPS chemistry has been in use since the mid-1950's so the actual performance of the product is well known.

InsulLam™ is a premium composite insulation consisting of a closed-cell, lightweight and resilient expanded polystyrene (EPS) bonded to an APA/TECO rated oriented strand board (OSB) or plywood. The InsulLam foam core is cut from the same high-quality stock as our InsulFoam® brand roof insulations and, meets or exceeds the requirements of ASTM C578, *Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation*. The OSB is available in nominal thicknesses of 7/16" and 5/8".

### USES

InsulLam is a high-performance nail-base insulation and substrate for a variety of steep and low slope roofing systems. InsulLam is acceptable for single ply roof applications employing mechanically fastened, ballasted or adhered EPDM, TPO, PVC or CSPE membranes as well as low-sloped built-up and modified bitumen membrane systems. InsulLam is also well suited for vaulted and cathedral ceilings. InsulLam can also be used as an underlayment for shingle, tile, slate and metal roofing systems. InsulLam is not a structural panel and is suitable only for installation over fully supported structural decks.

### SIZES

InsulLam is available in 4' x 8' sizes with overall thickness from 1.5" to 7" and readily available in custom lengths and widths with little or no impact on lead time.

### R-VALUES

Typical Thickness & Thermal Value for InsulLam				
Nominal Thickness (including 7/16" OSB)	3.00"	4.00"	5.00"	6.00"
R-Value @ 75°F	10.50	14.40	18.20	22.10
R-Value @ 40°F	11.30	15.50	19.60	23.80

### INSTALLATION RECOMENDATIONS

- Install InsulLam insulation with side joints continuous and end joints staggered so they are offset by a minimum of 12" from the end joints in adjacent rows.
- A minimum 8 fasteners per 4' x 8' panel should be used when attaching InsulLam to either 22 gauge (min.) metal decks or 1" wood decks. A minimum 12 fasteners per board should be used when attaching to 1/2" wood decks. Recommended fastening patterns are available in the PBS Design Manual. Contact the PBS Representative in your area for additional recommendations.