



HIGH DENSITY (HD) BOARD

High Density expanded polystyrene or HD BOARD ranging from 25-60 psi is a great solution for projects and applications that require stronger rigid insulation boards. Less expensive than some of the alternative products in the industry, the contractor sees great value for several different reasons. It is durable, flexible, and easy to fabricate. The R Value for expanded polystyrene is exceptional and does not decrease overtime. Poly Molding's HD BOARD Is manufactured to meet or exceed ASTM C578, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.

Advantages

- ◆ Superior compressive strength .
- ◆ Long term, stable R-Value .
- ◆ Energy efficient
- ◆ Water resistant : closed cell foam will not readily absorb moisture from the environment
- ◆ Mold, mildew, and insect resistant : An inert EPA approved insect repelling additive can be added during the manufacturing process to deter termites . EPS Insulation does not support mold or mildew growth .
- ◆ Code Approvals : EPS insulation is recognized by the International Code Council Evaluation Service (ICC -ES) and is manufactured from UL and FM approved raw materials .
- ◆ Environmentally Friendly : Contains no CFC, HCFC, HFC or Formaldehyde and is 100 % recyclable .
- ◆ Proven performance record : EPS products have been manufactured since the mid-1950 's using the same fundamental chemistry qualifies for LEED Credits .

Sizes

- ◆ HD BOARD is available in 4x4' and 4x8' standard sizes with thicknesses ranging from 1/4' to 36'. They are readily available in custom lengths and widths with little to no impact on lead time .

Application

HD BOARD insulation has been employed effectively in a variety of commercial, industrial, and residential applications. Its purpose is to insulate the foundation wall or slab while also protecting the waterproofing. Or damp proofing, particularly when backfilling Additional -stressed and pre-cast structural steel are examples of building uses. Roads, concrete panels, siding backer board, building sheathing and bridge fill, insulation below the slab and around the perimeter, architectural void fill, forms, docks and piers

HD BOARD

PRODUCT		POLY 25	POLY 40	POLY 60
ASTM C578 Classification		IX	XIV	XV
Density min.	lb./ft ³	2.0	2.5	3.0
R-Value	25 ° F	5.0	5.0	5.1
	40 ° F	4.8	4.8	4.9
	75 ° F	4.4	4.4	4.5
Compressive Resistance @ 10% Deformation		25 psi	40 psi	60 psi
Flexural Strength		50 psi	60 psi	75 psi
Water absorption Volume %		3.5	2.5	2.5
Flame spread		<25	<25	<25



"The future of expanded polystyrene"

www.polymoldingllc.com

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