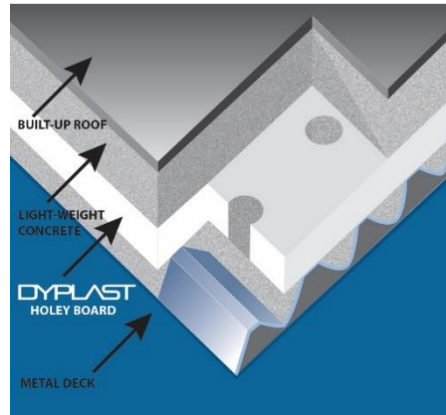




Dyplast Holey-Board

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Holey-Board is Dyplast Products' expanded polystyrene (EPS) foam insulation specifically designed for use in lightweight concrete (LWC) roof applications. It is a rigid cellular, lightweight, resilient, foamed board with excellent physical properties. When structural concrete roofing applications demand high value insulation, Dyplast Holey-Board leads the way. It cost-effectively provides superior energy efficiency, temperature range, damage and moisture control, low flammability rating, and low moisture vapor permeability. Dyplast's new facility utilizes the latest EPS technology and equipment, producing quality that leads the industry. Holey-Board is lightweight, sturdy, and workable, making it easy for one person to handle and install. Holey-Board is available in either 2'x4' (.61m x 1.2m) or 4'x4' (1.2m x 1.2m) panels, in thicknesses from up to 17" (432mm). Custom sizes are also available. Strategically placed and sized holes penetrate the panels, providing excellent structural adherence to the concrete slurry beneath the panels, and the lightweight concrete above.



COMPLIANCES AND APPROVALS

Holey-Board has been tested and found to meet the requirements of the specifications listed below. A Dyplast representative can provide assistance in determining suitability of these and any unlisted specifications.

- ASTM C578 Compliance
- Miami-Dade County, Florida Product Control certification: NOA 17-1207.05
- Dyplast works with clients to achieve FM 4450 approvals for Class 1 fire and 1-150 wind uplift requirements

DESIGNED TO ENDURE

With an R-value per inch of almost 4 for 1 lb/ft³ density, Holey-Board maintains constant insulation value. Long-lasting, durable Holey-Board is designed to endure through the life of the roof. Dyplast Holey-Board is the preferred choice for insulated, lightweight concrete roof decks.

- Wind uplift rating of 150 mph meets or exceeds Miami-Dade County, Florida code requirements
- Excellent insulating value
- Endurance over the life of the roof
- Excellent workability and handling (low dust)
- Easily sloped to ensure maximum drainage
- Low moisture absorption, preventing warping, cracking and buckling



SUSTAINABILITY

Concerned about the environment? So is Dyplast! That's why all our products are manufactured in a CFC/HCFC - free environment. Holey-Board, made from our EPS rigid foam, is an inert, organic material produced from petroleum and natural gas byproducts. It provides no nutritive value to plants, animals or micro-organisms. It will not rot and is highly resistant to mildew.



Physical Properties ¹ (ASTM C578)		English Units	ASTM Method	EPS 15 or "TYPE I"
Density, minimum		lb/ft ³	D 303 or D1622	0.9
Density Range		lb/ft ³		1.01
Thermal Conductivity- K Factor	7fF	BTU.in/hr.ft ² .°F	C 177 or C518	0.26
Thermal resistance- R-Value @ 1 in.	76F	hr.ft ² .°F/BTU		3.87
Compressive Strength (10% Deformation)		lb/in ²	D 1621	11.5
Flexural Strength		lb/in ²	C 203	25.3
Water Vapor Transmission		perm-in	E 96	2.89
Water Absorption (vol.)		%	C 272	2.06
Capillarity		---	---	none
Coefficient of Thermal Expansion		(in/in)/°F	D 696	0.000035
Dimensional Stability (-40F)			D2126	0.03
Dimensional Stability (+158F / 97%RH)			D2126	0.25
Minimum Self Ignition Temperature		°F	D1929	831
Minimum Flash Ignition Temperature		°F	D1929	752
Maximum Service Temperature				
Long-term Exposure		°F		167
Intermittent Exposure		°F		180
Flame Spread			E84	0
Smoke Development			E84	190
Oxygen Index			D2863	Pass



1. Nominal values obtained from representative product samples, subject to normal manufacturing variances.

FABRICATION AND INSTALLATION

Holey-Board insulation is fabricated to meet design and dimensional requirements. Further, because of its light weight, it is easily stored, handled, and installed on the job site. It can be cut to shape to ensure tight joints, thus minimizing heat loss.

COST EFFICIENCY

Holey-Board insulation typically costs less than other rigid board insulations when compared on the basis of R-value. When evaluating the cost efficiency of rigid insulations, compare the price of equal lengths and widths.

OTHER PRODUCTS

Visit www.dyplast.com for other EPS and Polyiso products.

LIMITATIONS AND DISCLAIMER OF WARRANTIES AND LIABILITIES:

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