



## QWIK GUIDE:

### DYPLAST HOLEY-BOARD (INSULATION FOR LIGHTWEIGHT CONCRETE ROOF APPLICATIONS)

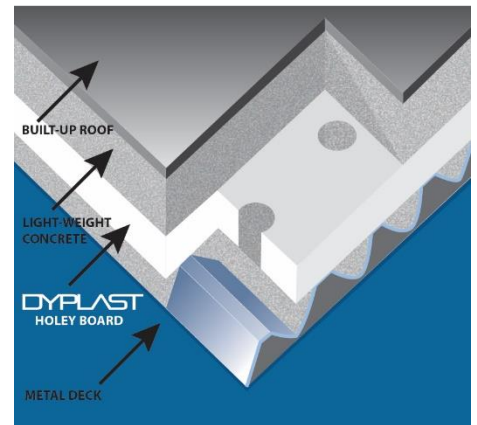
#### DESCRIPTION

Dyplast Holey-Board EPS foam core insulation for lightweight concrete roof applications! Dyplast Holey-Board is a rigid cellular, lightweight and resilient expanded polystyrene with excellent physical properties such as R-value and Compressive Strength. When Lightweight Insulating Concrete (LWIC or LWC) roof systems 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 Holey-Board is approved by Miami-Dade County for compliance with wind/hurricane requirements - - some of the most restrictive in the world.

#### Production

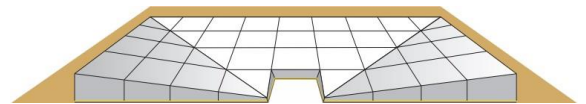
Dyplast manufactures EPS blocks using a molding process, whereby pre-expanded polystyrene beads are fed into a block mold machine where steam and pressure melt and fuse the polystyrene beads into a large block nominally 20 feet long, 48 inches wide, and 40 inches thick. After curing, the EPS blocks are cut into sheets available in either 2'x4' (.61m x 1.2m) or 4'x4' (1.2m x 1.2m) panels, in thicknesses up to 17" (432mm). Custom sizes, tapers, or dimensions are also available. Strategically placed and sized holes penetrate the panels, providing excellent structural adherence to the concrete slurry beneath the panels, with the lightweight concrete above.

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 enough for one person to handle, shape, and install. Dyplast's production capacities allow us to meet market demands for large or small volume projects.



#### Application

With an R-value per inch of almost 4 for 1 lb/ft<sup>3</sup> 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

For additional LWIC information, please visit the Florida Roof Deck Association (FRDA) [www.frdaonline.com](http://www.frdaonline.com) and National Roof Deck Contractors Association (NRDCA)- [www.nrdca.org](http://www.nrdca.org).