

XPS40

40PSI INSULATION BOARD

DESCRIPTION

XPS40 is high density, closed cell, rigid extruded polystyrene foam insulation. The closed cell structure provides superior compressive strength and moisture resistance.

APPLICATIONS

XPS40 is a high compressive strength material with a typical compressive strength of 40 psi. XPS40 is designed for use above the waterproofing membrane in protected membrane roofing (PMR) applications, plaza deck waterproofing, below grade foundation wall waterproofing applications, and greenroof applications. It is intended to resist the concentrated loads of concrete slabs and is not recommended for use under pedestal mounted pavers.

INSTALLATION

Install XPS40 loose or mechanically fastened per project requirements; firmly butting each adjacent sheet edge. If multiple layers of insulation are required, then install the thicker layer on the bottom. Rotate the direction of each layer 90° and stagger all seams. All layers of insulation must not be adhered to each other as well as not adhered to the deck. Cut insulation to conform close to all transitions, protrusions and obstructions. Tapered insulation is available and is used to create a slope toward drains to minimize standing water. Contact CETCO for details on tapered insulation. Install filter fabric over the insulation. Cover with appropriate ballast material immediately. Follow all architectural/designer detail drawings for insulation and placement requirements.

PRECAUTIONS

XPS40 is combustible and may constitute a fire hazard if improperly installed or stored. XPS40 contains a flame-retardant additive to minimize ignition from small sources however, it must not be exposed to; open flame or other sources of ignition during shipping, storage, installation or usage. may require a protective or thermal barrier.

PACKAGING

XPS40 board size is 2' (0.6 m) x 8' (2.4 m) and is available in several thicknesses: 1" (25 mm), 1.5" (38 mm), 2" (50 mm), 3" (75 mm) and 4" (100 mm).

TECHNICAL DATA		
PROPERTY	TEST METHOD	TYPICAL VALUE
Thermal Resistance Aged R-value/inch @75°F Mean temp, min °F-ft ² -h/Btu (k-m ² /W)	ASTM C518	5.0
Compressive Strength	ASTM D1621	40 psi
Flexural Strength	ASTM C203	60 psi
Water Absorption	ASTM C272	0.1%
Water Vapor Permeance	ASTM E96	1.1
Dimensional Stability	ASTM C578	2%
Linear Coefficient of Thermal Expansion	ASTM D696	3.5X10 ⁻⁵
Type	ASTM C578	VI
Maximum Service Temp	ASTM C578	165°F

North America: 847.851.1800 | 800.527.9948 | www.CETCO.com

UPDATED: JUNE 2015

© 2015 CETCO. IMPORTANT: The information contained herein supersedes all previous printed versions, and is believed to be accurate and reliable. For the most up-to-date information, please visit www.CETCO.com. CETCO accepts no responsibility for the results obtained through application of this product. All products are sold on the understanding that the user is solely responsible for determining their suitability for the intended use and for proper use and disposal of the product. CETCO MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH ANY SALE OF THE PRODUCTS DESCRIBED HEREIN. CETCO reserves the right to update information without notice.

