



#### COMPLEMENTARY PRODUCTS



LEXCOR LEXSHIELD  
Adhesive Tape

#### PHYSICAL PROPERTIES

##### EHD 40 Expanded Polystyrene

<b>Thermal Resistance</b> (ASTM C518 C177) Thickness of 25 mm (1")	<b>RSI-0.74</b> R-4.2
<b>Vapour Permeability</b> (ASTM E96) Thickness of 25 mm (1")	<b>2.25 perm</b> 130 ng/Pa·s·m <sup>2</sup>
<b>Compressive Strength</b> (ASTM D1621) Thickness of 38 mm (1 1/2")	<b>275 kPa</b> 40 lbs/in <sup>2</sup>
<b>Flexural Strength</b> (ASTM C518 C203) Thickness of 38 mm (1 1/2")	<b>414 kPa</b> 60.35 lbs/in <sup>2</sup>
<b>Water Absorption</b> (ASTM D2842) Thickness of 38 mm (1 1/2")	<b>2%</b>
<b>Density</b> (ASTM D1621)	<b>40.4 kg/m<sup>3</sup></b> 2.5 lbs/ft <sup>3</sup>
<b>Limiting Oxygen Index</b> (ULC S-701) % minimum	<b>24%</b>
<b>Dimensional Stability</b> (ASTM D2126) % max. of linear change	<b>1.5%</b>

#### DESCRIPTION

Expanded polystyrene insulation, laminated on both sides with a 1-mil thick clear polypropylene film, designed to protect the waterproofing membrane of the foundation wall during backfill.

#### CERTIFICATIONS



- Meets ASTM C 1338 Standard, R04-690 report; test methods to determine mold resistance cv.

#### INSTALLATION

1. Secure the F-ZOL on the waterproofing membrane using an adhesive compatible with it and the polypropylene film.
2. If a second row is needed to reach a height of 2,438 mm (8"), seal the joint between the two boards using a 101.6 mm (4") wide LEXCOR LEXSHIELD Adhesive Tape.

#### ADVANTAGES

##### *Excellent Covering Power*

A single F-ZOL board covers an area of 1,024 ft<sup>2</sup>, which is equivalent to 64 traditional boards of 4' x 4' usually used.

##### *Quick Installation*

Simple securement method, very light and easy to handle.

##### *Reduces the Risk of Infiltration*

Water can only penetrate in the canals located in the polystyrene cells that are welded together, so most of the water and humidity is directed toward the drain rather than the foundation.

##### *Added Insulating Value*

In addition to protecting the waterproofing membrane, the F-ZOL board increases the insulating factor of the foundation.



#### PRODUCT WARRANTY

##### *Thermal Value 100% Guaranteed*

The thermal resistance of the product is 100% guaranteed, free of charge, for a minimum period of 40 years.

Continued on back

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# F-ZOL

## TYPE EHD 40

EXPANDED POLYTYRENE PROTECTION BOARD

SIZES	
Polypropylene	
Heat Sealing Temperature	104°C - 121°C 220°F - 250°F
Face-to-Face Friction Coefficient (ASTM D1894)	0.4 - 0.5
Thermal Strength (ASTM D882)	27 000 lbs/in <sup>2</sup> (MD) 28 500 lbs/in <sup>2</sup> (TD)
Elongation (ASTM D882)	90% (MD) 80% (TD)
Water Vapour Transmission (ASTM F1249)	0.06 gms/100ft <sup>2</sup> /24h
Oxygen Transmission Level (ASTM D3985)	166 cc/100ft <sup>2</sup> /24h

### INSULATED VALUES / THICKNESSES

R-1.6    09.52 mm (0.37")

SIZES AND PACKAGING		
	610 mm x 1,219 mm Sheet 2' x 4'	1,219 mm x 1,219 mm Sheet 1,219 mm x 1,219 mm
Number of Sheets	64	64
Sheet Thickness	9.5 mm 3/8"	9.5 mm 3/8"
Width x Length Folded	0.6 m x 1.2 m 2' x 4'	1.2 m x 1.2 m 4' x 4'
Width x Length Unfolded	0.6 m x 39 m (23.4 m <sup>2</sup> ) 512 ft <sup>2</sup> (2' x 128')	1.2 m x 78 m (93.6 m <sup>2</sup> ) 1,024 ft <sup>2</sup> (4' x 256')
Weight of the Series of 64 sheets	13.6 kg 30 lbs	27.3 kg 60 lbs
Nb de Sheets per Skid	4	2

