TAPERED/ FLAT ROOFING INSULATION

Insulation is an important part of a building's envelope. Poly Molding's Tapered/Flat Insulation provides unrivaled quality, with a consistent long-term R-value that will endure the lifespan of your roof construction.

Poly Molding's EPS Roofing Systems is made to order to fit your flat or tapered roofing applications and consists of closed cell lightweight expanded polystyrene (EPS). Our Tapered Insulation Fulfills or surpasses ASTM C578 criteria, making it an HFC-free, recyclable rigid insulation.

Benefits of EPS Roofing

CONSISTENT R-VALUE

- Consistent over life of roof
- Measurable energy savings
- Lower cost per R-value than many other insulation products

DESIGN ATTRIBUTES

- Design flexibility and versatility in meeting project specific applications
- Compatible with fully adhered, ballasted or mechanically fastened systems
- Compatible with common roof assembly components

SUPERIOR PERFORMANCE

- Dimensional stability
- Moisture resistance
- Compressive strength

ENVIRONMENTAL BENEFITS

- Recycled EPS incorporated in many insulation products.
- Never manufacturer with ozone-depleting gases.
- Lightweight, less material required to meet R-value standard.

POLYMOLDING

96 4th Avenue Haskell, NJ 07420
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www.polymoldingllc.com

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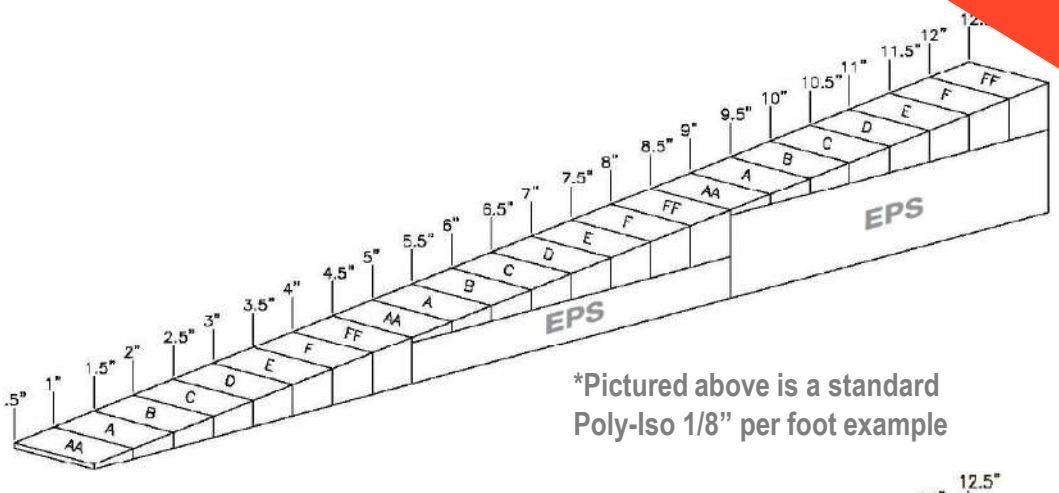
POLYMOLDING HYBRYD TAPERERD SYSTEM

Insulation EPS is approved in Hybrid Tapered Systems where the EPS is used as the flat fill with a top lay er of EPS or Polyiso. This system has increased labor and material savings and is approved for Fully Adhered Systems.

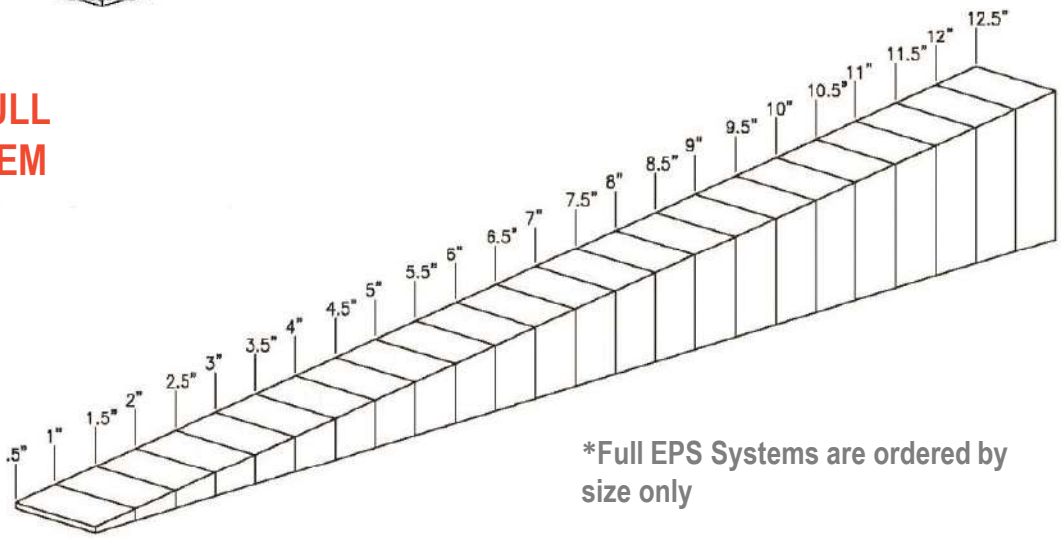


*Pictured above is a standard Poly-Iso 1/8" per foot example

POLY MOLDING´S FULL EPS TAPERED SYSTEM

Use Poly Tapered Insulation and save money on labor, installation, adhesives and material costs.

- 0-36" in a single layer application-no fill pieces needed
- no limitations onslope



*Full EPS Systems are ordered by size only

COMPRESSIVE STRENGTH	10 psi, 15 psi, 20 psi, 25 psi, 40 psi, 60 psi
SIZE	4'x4' and 4'x8' panels
THICKNESS	1/2" to 36" in a single layer

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TAPERED/FLAT ROOFING INSULATION

PHYSICAL PROPERTIES

		TAPERED/FLAT INSULATION					
PROPERTY	**ASTM TEST METHOD**	**10**	**15**	**20**	**25**	**40**	**60**
Compressive Strength (psi) at 10% Deformation[1]	D1621	10	15	20	25	40	60
ASTM Classification	C578	Type I	Type VIII	Type II	Type IX	Type XIV	Type XV
R-value per inch at 75°F Mean Temperature	C518	3.8	3.9	4.2	4.4	4.5	4.6
R-value per inch at 40°F Mean Temperature	C518	4.2	4.3	4.6	4.8	4.8	5.0
R-value per inch at 25°F Mean Temperature	C518	4.4	4.5	4.8	5.0	5.0	5.1
Flexural Strength (psi)	C203	25	30	35	50	60	75
Water Absorption (% by volume) 24 Hour Immersion	C272	3.0	2.0	2.0	1.0	1.0	1.0
24 Hour Immersion & 24 Hours @ 50% RH		0.3	0.3	0.3	0.3	0.3	0.3
Water Vapor Permeance at 1" Thick (perms)	E96	5.0	3.5	3.5	2.5	2.5	2.5
Surface Burning - Flame Spread	E84	<25	<25	<25	<25	<25	<25
Surface Burning - Smoke Developed	E84	<450	<450	<450	<450	<450	<450
Maximum Use Temperature	-	Short Term (10-15 minutes) 180°F, Long Term 165°F					

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CONTACT US

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