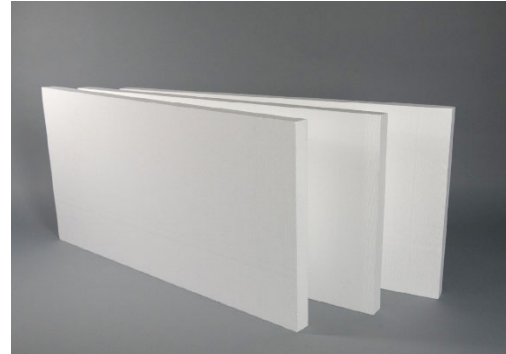


EPS Rigid Insulation

By Atlas EPS

Description:

Columbia Green Rigid Insulation is made from expanded polystyrene as a high-performance molded polystyrene insulation for used on rooftops. Ideal for Use on Plaza Decks, especially on projects with weight restrictions. Our EPS Rigid Insulation has a stable R-Value that will not degrade over time. It is a great insulating option with better long-term moisture resistance than other foam options. Available as blocks, sheets, tapers or custom CNC sizes.



Installation

- Blocks are easily cut in the field using a hot wire cutter.
- No post installation maintenance required.

Storage:

- Store components in a dry area away from sources of ignition and extremely high temperatures.
- Handle and store materials, and place equipment in a manner to avoid overloading roof structure or damaging roofing membrane.

Precautions:

- Avoid prolonged exposure to sunlight, heat, sparks and open flames.
- Wash exposed skin prior to eating, drinking or smoking and at the end of each shift.
- Use caution when cutting and laying product. Dust generated from sanding or cutting rigid insulation should be avoided using a dust mask.

Property	ASTM Test Method	Rigid Insulation C578 Type				
		Type I	Type II	Type IX	Type XIV	Type XV
Compressive Strength (minimum psi) at 10% Deformation	D1621	10.0	15.0	25.0	40.0	60.0
R-value per inch (minimum) at 75°F Mean Temperature	C518	3.9	4.2	4.4	4.4	4.5
R-value per inch (minimum) at 40°F Mean Temperature	C518	4.2	4.6	4.8	4.8	4.9
R-value per inch (minimum) at 25°F Mean Temperature	C518	4.4	4.8	5.0	5.0	5.1
Flexural Strength (minimum psi)	C203	25 psi	35 psi	50 psi	60 psi	75 psi
Water Absorption Volume %	C272	3.0	1.5	1.25	1.25	1.0
Water Vapor Permeance at 1" Thick (perms)	Typical E96, desiccant method	4.0	3.5	2.5	2.5	2.5
Surface Burning – Flame Spread and Smoked Developed	E84	FS 20, SD 400 (meets code)				
Maximum Use Temperature	-	Shor Term (10-15 minutes) 180°F, Long term 165°F				