

### Applications

- Plaza Decks
- Inverted Roof Membrane Assemblies (IRMA)
- Garden Roofs

### Product Characteristics

Product	Compressive Strength (psi)	Density (pcf)
InsulFoam XIV	40 psi	2.5 pcf
InsulFoam XV	60 psi	3.0 pcf

- Thicknesses 0 to 40"
- Custom lengths, widths and shapes available
- Water Absorption per ASTM C272 < 2% by volume

### Features and Benefits

- Ease of installation: lightweight, no need for heavy equipment, cuts easily with hot wire or saw
- Environmentally friendly: 100% recyclable, no HCFCs or formaldehyde, will not sustain mold or mildew growth, maintenance free
- Long term, stable thermal resistance
- Contributes towards LEED Certification Credits
- Water Resistant: InsulFoam does not readily absorb moisture from the environment
- Ten state-of-the-art manufacturing facilities
- Full service Technical Department

### Codes and Approvals

- Extensive code approvals
- Manufactured to meet or exceed ASTM C 578 Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation



### Typical Physical Properties\*

Property	Type XIV	Type XV	Test Method
Nominal Density (pcf)	2.5	3.0	ASTM C303
C-Value (Conductance) - per inch BTU/(hr•ft <sup>2</sup> •°F)	@ 25 °F	0.198	ASTM C518 or
	@ 40 °F	0.206	
	@ 75 °F	0.222	ASTM C177
R-Value (Thermal Resistance) - per inch (hr•ft <sup>2</sup> •°F)/BTU	@ 25 °F	5.05	ASTM C518 or
	@ 40 °F	4.85	
	@ 75 °F	4.50	ASTM C177
Compressive Strength (psi, 10% deformation)	40	60	ASTM D1621
Flexural Strength (min. psi)	60	75	ASTM C203
Dimensional Stability (maximum %)	2.0	2.0	ASTM D2126
Water Vapor Permeance (max. perm., 1")	2.5	2.5	ASTM E96
Water Absorption (max. % vol.)	2.0	2.0	ASTM C272
Capillarity	None	None	-
Flame Spread	< 20	< 20	ASTM E84
Smoke Developed	150-300	150-300	ASTM E84

\*Properties are based on data provided by resin manufacturers, independent test agencies and Insulfoam.