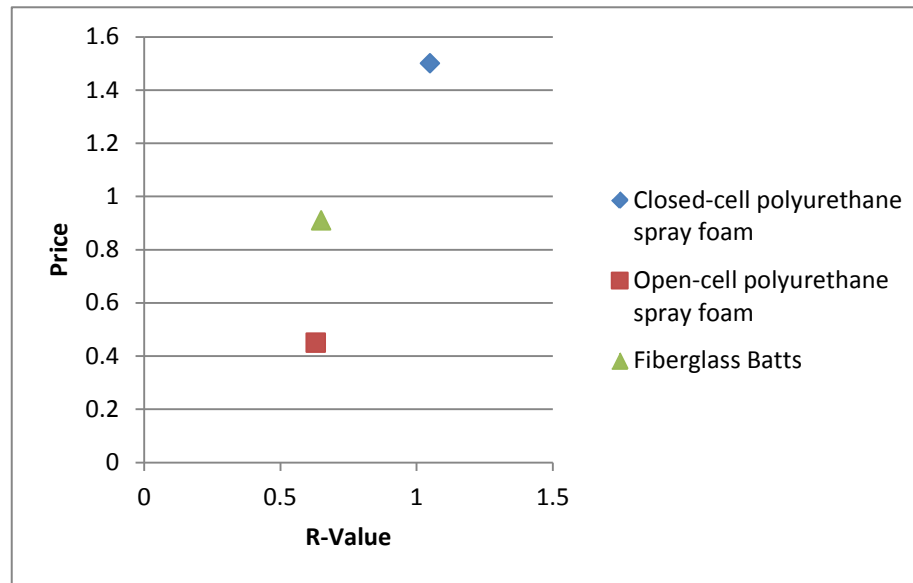


Insulation Material	R-Value (m ² ·K/W)	Price (\$/sqf)
Closed-cell polyurethane spray foam	0.97–1.14	1 - 2
Open-cell polyurethane spray foam	0.63	0.35 - 0.55
Fiberglass Batts	0.55–0.76	0.64 - 1.19



Correlation: The higher the R-value, the higher the price.

Window Assembly	U-Value (W/m ² ·K)	R-Value (m ² ·K/W)
Single Pane	4.8	0.21
Double Pane, Low-E	2.1	0.48
Double Pane, Low-E, Argon filled	1.9	0.53

Three components are used to calculate U-Factor:

- Center-of-glass (COG)
- Edge of Glass (EOG)
- Frame

Assembly U-Value = The “area weighted” average thermal transmittance of all components

$$(U_{\text{Frame}} * \text{Area}_{\text{Frame}} + U_{\text{COG}} * \text{Area}_{\text{COG}} + U_{\text{EOG}} * \text{Area}_{\text{EOG}}) / \text{Total Area}$$