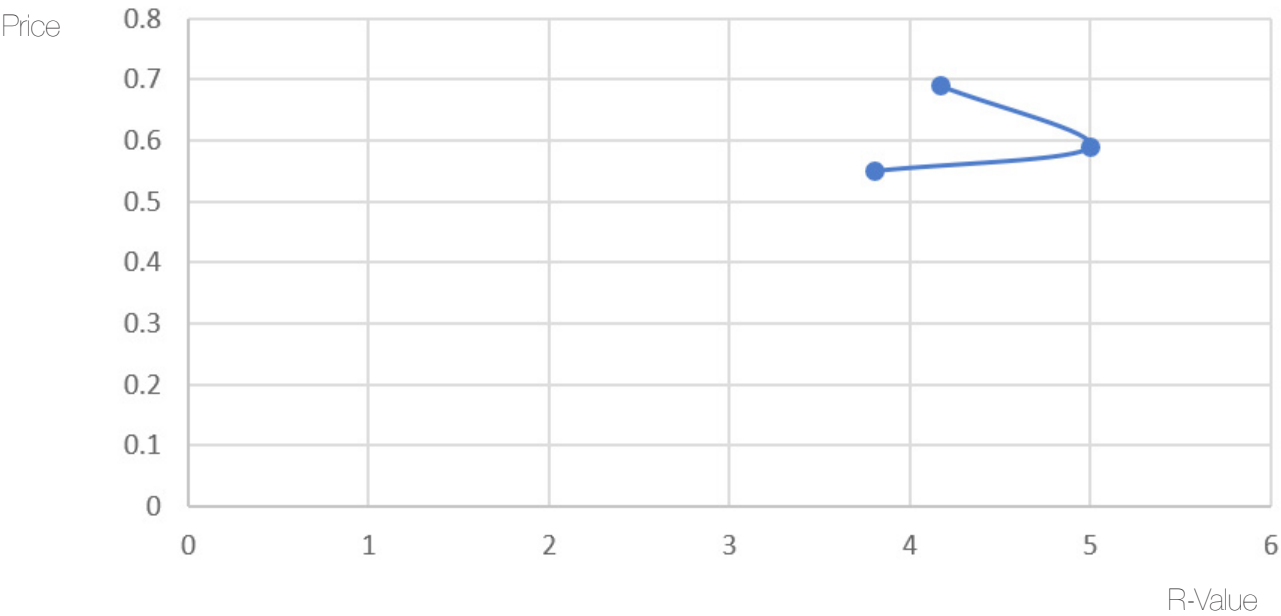


**Assignment-
09_Building_Enclosure**

Insulation Material


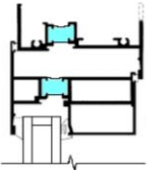
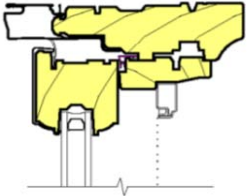
Insulation Material			
		R-value (1")	Price(\$ per board foot)
1	Expanded polystyrene (EPS) 	4.17	0.69
2	Extruded polystyrene (XPS) 	5.00	0.59
3	Polyurethane Insulation 	3.80	0.55

Insulation Material

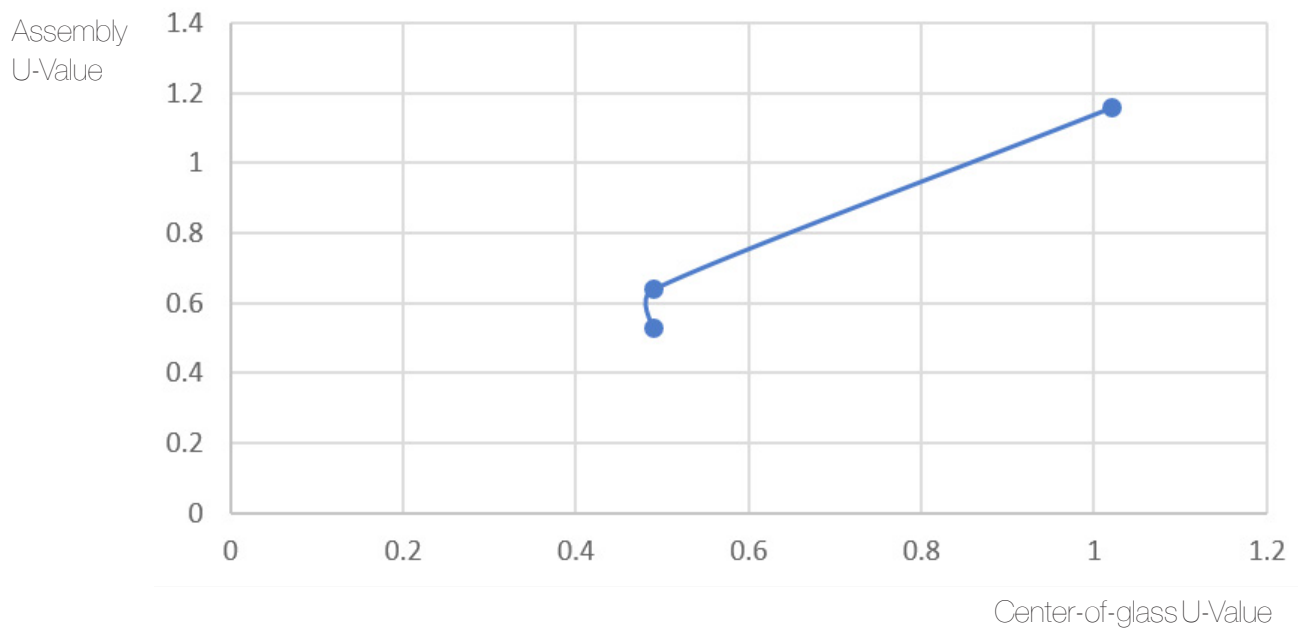


Since those three types of insulation material have similar R-value, the difference of the prices varies based on other factors of the products.

Window Assemblies

Window Assemblies				
		Center-of-glass U-Value	Frame U-Value	Assembly U-Value
1	Single Clear glass / Aluminum frame No thermal break 	1.02	1.92	1.16
2	Double glazing with clear glass / Aluminum windows with thermal breaks 	0.49	1.13	0.64
3	Double glazing with clear glass / Aluminum-clad wood windows 	0.49	0.51	0.53

Windows Assemblies



The performance of the assembly U-value of the windows varies according to the performance of the frame and glass U-value.