



# Compare RetroFoam™ with other insulation and see the difference!

Characteristics	RetroFoam™	Cellulose	EPS Board	Fiberglass Batting	Polyurethane Board	Polyurethane Spray Foam	Styrofoam
<b>R-Value in wood frame walls</b>							
2x4 studs	Up to 16.0	13.8	2.8 (3/4-in.)	11.0	7.0 (1-in.)	Up to 25.0	10.0 (2-in.)
2x6 studs	Up to 23.7	21.4	2.8 (3/4-in.)	13.0	14.0 (2-in.)	Up to 38.0	20.0 (4-in.)
<b>Shipping and installation</b>							
Shipped as	Dry powder	Loose fill	Sheets	Rolls/Batts	Sheets	55 gal. drums	Sheets
Installation for existing buildings	Injected into wall cavity	Injected into cavity (slow process)	Nailed to studs after wall torn out	Reinstalled after wall torn out	Nailed to studs after wall torn out	Sprayed on after wall torn out	Nailed to studs after wall torn out
Installer certification req'd	Yes	No	No	Varies	No	Yes	No
<b>Applications</b>							
Stud wall	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Retrofit	Yes	No	No	No	No	Yes	No
Masonry	Yes	No	Yes	No	Yes	No	Yes
<b>Beneficial Properties</b>							
Acoustical barrier	Yes: 45-50 dB loss	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
Reduces air infiltration	Yes	No	Yes	No	Yes	Yes	Yes
Fills all voids	Yes	No	No	No	No	Yes	No
Meets Flame Class 1	Yes	No	No	Yes	Yes	Yes	No
Eliminates thermal drift	Yes	Yes	Yes	No	Yes	Yes	Yes
<b>Environmental Considerations</b>							
Waste disposal	Biodegradable	Solid waste	Solid waste	Solid waste	Solid waste	Solid waste	Land ban
Container disposal required	No	No	No	No	Yes	Yes	No
Hazardous ingredients	None	None	None	Glass fiber	MDI	MDI	None
Allows mold growth	No	Yes (must add inhibitor)	In some cases	No	In some cases	No	In some cases