



Celbar Insulation Comparisons

	Celbar	Fiberglass	Spray-foam
Best RValue per inch	3.8 ✓	2.1 – 3.1*	3.6
Resists Air Flow	Yes ✓	No – Air Filter	Yes ✓
Fills without Gaps or Voids?	Yes ✓	No –has Gaps & Voids	No – has Voids
Least Sound Transmission* (STC)	50 ✓	38*	37
Smoke when burned** (SDI)	None ✓	50	400
Functions as Fire block? ***	Yes ✓	No - Melts	No - Burns
Moisture Protection	Yes - wicking by action capillary	No - Hygroscopic	No - Hygroscopic
Deters Mold & Pests	Yes – Has Borates	No	No
Out gasses after installation?	No ✓	Yes - Formaldehyde	Yes - Isocyanates
Recycled Content	80% ✓	Up to 25%	None
Embodied Energy	750 btu/1b ✓	12,000btu/lb	>30,000btu/lb

*As Measured in the laboratory – installed performance typically lower

* 2x4 wall assembly with 2 inches of Celbar wall spray

**ASTM E 84

*** All Cellulose in general (generic to all cellulose insulation)