

CELBAR CELLULOSE INSULATION

How Do They Compare?	Celbar	Fiberglass	Spray-foam
Best R-Value 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 - Hygroscopic	No - Hydrophobic	No - Hydrophobic
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/lb ✓	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)