



# No Added Formaldehyde Batt Insulation

*This chart lists commercial batt insulation products currently on the market with no added formaldehyde*

	<b>EcoBlue*</b> (formerly InsulCot)	<b>Johns Manville Formaldehyde-free Fiberglass Insulation</b>	<b>Ultra Touch</b>
<b>Manufacturer</b>	EcoBlue	Johns Manville	Bonded Logic, Inc.
<b>Website</b>	www.ecoblueinc.net	www.jm.com	www.bondedlogic.com
<b>Materials source</b>	Overseas—China and Turkey	Each regional plant has source of supplied sand and recycled glass from suppliers in the area	Mostly in Mexico, though some limited domestic sourcing from North Carolina
<b>Manufactured in</b>	Amarillo, TX (future plans also for Lubbock, TX plant)	Throughout the United States, including CA, GA, NJ, KS, and Alberta CN	Chandler, AZ
<b>Fiber description</b>	75% cotton fiber, 10% polyester for binding, 15% polyesters for spring back (sheet core)	Fiberglass wool	85% cotton fiber (recycled denim and cotton fibers), 15% proprietary blend of boric acid and olefin binder
<b>Binder description</b>	Polyester acts as a binder by melting and then cooling	Acrylic thermoset binder (Rohm and Haas' Aquaset—no added formaldehyde binder). Aquaset made from polycarboxylate and water (MSDS)	Co-polyolefin binder
<b>Flame retardants used</b>	Phosphorus-based flame retardant	Inherently flame resistant (can purchase faced product that is retarded with antimony trioxide)	Borax and boric acid
<b>Certifications, including IAQ and recycled content</b>	None	Meets CA Section 01350 standards through Berkeley Analytical; CHPS low-emitting materials list; SCS for recycled content; Product sold in Canada meets EcoLogo certification	Meets CA Section 01350 standards through Berkeley Analytical, ICC certification for performance
<b>Recycled content</b>	80% pre-consumer recycled content	20% post-consumer recycled content and 5% pre-consumer recycled glass	85% pre-consumer recycled content
<b>Recyclability</b>	Can be baled back and shipped back to manufacturer to be used in loose-fill insulation. Also biodegradable.	No take-back program. Manufacturer uses own scraps to recycle into loose-fill insulation.	No consumer take-back, but offers for construction jobs. Product can be composted, but olefin fibers do not break down
<b>Sizing</b>	Standard, 16" and 24"	Variety	Standard, 16" and 24"
<b>R-Values available</b>	R-11, R-13, R-15, R-19, R-21, R-25, R-30, R-40, R-44	Variety up to R-38	R-13, R-19, and R-30 (new)
<b>Size of R-19 batt</b>	R-19 = 5.5"	R-19 standard = 6-1/2" R-21 high density = 5.5"	R-19 = 5.5"
<b>Facing Options</b>	Un-faced, Kraft, FSK-faced	Un-faced, Kraft, MR Faced (mold resistant), FSK-25 faced	All unfaced (offers custom foil facing)
<b>Other</b>	In certain climates, need vapor retarders/barriers	In certain climates, need vapor retarders/barriers	In certain climates, need vapor retarders/barriers

\* Available sometime in 2008