



# 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

## Additional batt insulation product available

Since this factsheet was produced, a fourth manufacturer has released a batt insulation product with no added formaldehyde. The following information is currently available:

### EcoBatt

<b>Manufacturer</b>	Knauf
<b>Website</b>	www.ecobatt.us
<b>Fiber description</b>	Fiberglass wool
<b>Binder description</b>	Proprietary polymer that Knauf claims is made from rapidly renewable organic materials and does not contain phenol, formaldehyde, acrylics or artificial colors.
<b>Certifications</b>	Meets GREENGUARD for Children and Schools, and California CHPS Standard 01350.
<b>Recycled content</b>	Minimum 30% post-consumer recycled glass content

*The product was released in Pacific Northwest and Northern California markets in late 2008 and is expected to be available in the Western half of the country in early 2009 and in the Eastern half by year end.*