



Beyond VOCs: The Next Wave In Healthy Building

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Roxul ComfortBatt mineral semi-rigid batt insulation (Grand Forks, BC only)

VOC	ToxCon	MfrTox	RnMtrl	RnEnrg
7	3	4	1	1

Roxul

No Manufacturer Participation

Knauf Insulation Board with Ecosse technology (Unfaced)

VOC	ToxCon	MfrTox	RnMtrl	RnEnrg
7	1	1	4	1

Knauf Insulation

No Manufacturer Participation

FOAMULAR® Rigid Board Insulation

VOC	ToxCon	MfrTox	RnMtrl	RnEnrg
7	1	2	2	1

Owens Corning Sales LLC

Complete Manufacturer Participation

Roxul ComfortBatt mineral semi-rigid batt insulation (Milton, Ontario only)

VOC	ToxCon	MfrTox	RnMtrl	RnEnrg
7	3	4	3	1

Roxul

Manufacturer Participation In Process

Filter by Minimum Manufacturer Participation Level

No Participation ☒

Participation In Process

Incomplete Participation

Complete Using Common Ingredients

Complete Participation

Filter by Restricted Substance List

No EPA Chemicals of Concern

No Living Building Challenge Red List

No LEED Pilot Credit 11 Chemicals

Filter by Attributes

No Bisphenol A

No Added Formaldehyde

No Phthalates

No Halogenated Flame Retardants

No Perfluorocarbons


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Search Results for Board Insulation

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Roxul ComfortBatt mineral semi-rigid batt insulation (Grand Forks, BC only)

VOC	ToxCon	MfrTox	RnMtrl	RnEnrg
7	3	4	1	1

Roxul

No Manufacturer Participation

Roxul ComfortBatt mineral semi-rigid batt insulation (Milton, Ontario only)

VOC	ToxCon	MfrTox	RnMtrl	RnEnrg
7	3	4	3	1

Roxul

Manufacturer Participation In Process

Rmax Eco-Max wall insulation board

VOC	ToxCon	MfrTox	RnMtrl	RnEnrg
1	4	4	1	1

RMax

No Manufacturer Participation

Vacuum Insulation Panels

VOC	ToxCon	MfrTox	RnMtrl	RnEnrg
1	3	4	1	1

Dow Corning

Complete Manufacturer Participation

Filter by Minimum Manufacturer Participation Level

- No Participation ☒
- Participation In Process
- Incomplete Participation
- Complete Using Common Ingredients
- Complete Participation

Filter by Restricted Substance List

- No EPA Chemicals of Concern
- No Living Building Challenge Red List
- No LEED Pilot Credit 11 Chemicals

Filter by Attributes

- No Bisphenol A
- No Added Formaldehyde
- No Phthalates
- No Halogenated Flame Retardants ☒





3 New Credits

➤ Materials & Resources Section

- Building product disclosure and optimization credits:
 - Environmental Product Declarations (EPD) - 2 points
 - Sourcing of Raw Materials – 2 points
 - Material Ingredients - 2 points

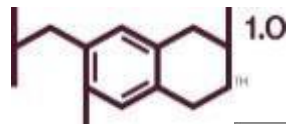
Material Ingredients Credit

What is inside?

- Option 1 – Declaration

(“material ingredient reporting”)

- Health Product Declaration
- Cradle to Cradle V2 Basic or V3 Bronze
- Manufacturer inventory



- Option 2 – Optimization

(“material ingredient optimization”)

- Avoid Green Screen Benchmark 1 chemicals



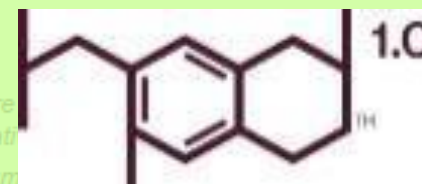
- Cradle to Cradle

- V2 Gold or V3 Silver 100%
- V3 Gold or V2/V3 Platinum 150%



Standardized reporting format for each ingredient:

- Substance name
- Health Hazard Warnings (authoritative listings)
- CAS number (*or species*)
- % of weight of the product
- GreenScreen Benchmark
- Recycled content
- Uses nanotechnology
- Role or function



Ingredient Name	CAS number	% Weight	GS	RC	o	Role
Hazard A	Warning A					Notes
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Bisphenol A diglycidyl ether (BADGE)	293733-21-8	35-42.6%	P1	No	No	Resin
Cancer	MAK: Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value					
Endocrine	EU ED: Category 2 - In vitro evidence of biological activity related to endocrine disruption (also in					
Skin or Eye	EU R-Phrases: R36: Irritating to skin.(also in EU H-Statements)					
Multiple	EPA Action: EPA Chemical of Concern - Action Plan published					
Alkyl (C12, C14) Glycidyl Ether	68609-97-2	16.52-20.3%	P1	No	No	Viscosity reducer
Skin or Eye	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)					
Multiple	VwVwS: Class 2 Hazard to Waters					
Phenyl Glycidyl Ether	122-60-1	10-12%	BM1	No	No	Diluent
Cancer	Prop 65: Cancer (also in EU CMR (1, EU R-Phrases, EU H-Statements, NIOSH-C, MAK, IARC)					
Reproductive	Prop 65: Male reproductive toxicity					
Gene mutation	EU H-Statements: H341 Suspected of causing genetic defects					
Multiple	SIN: Classified CMR (Carcinogen, Mutagen &/or Reproductive Toxicant) (also in VwVwS)					
Multiple	Skin or Eye and Mammalian					
ACME Zap It	Unknown	6.0%		No	No	Antimicrobial
Unknown	Ajax has requested a full					

CERTIFICATIONS AND COMPLIANCE

Certifying Party = **Self declaration**: Manufacturer's self-declaration; **Independent lab**: Manufacturer's self-declaration using results from an independent lab and declaration of conformance. **Second Party**: Verification by trade association or other interested party; **Third Party**: Verification by independent certifier (ideal). **Applicable facilities** = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			Certification & Compliance Notes
VOC Emissions (interior products only)	Indoor Advantage Gold (Residential)			Scientific Certifications Systems/Berkeley Analytic Associates
	Third Party	12-May-2010	12-May-2013	http://www.scs-certified.com/products/cert_pdfs/Ajax040611.pdf
	Smithville, TX, Jonesville, TX			Maple Grove, AR is undergoing testing and should be certified by mid 2012
VOC Content (wet applied only)	SCAQMD Rule 1113			Self-declared by manufacturer
	Self-declared	29-Apr-2009	N/A	N/A
	All			
Recycle Content	none			none

Standardized Reporting for Certifications & Compliance:

- Type (VOC content, emissions or recycled content)
- Certifying program (or standard), incl scenario for VOC emissions
- Certifier/laboratory
- Certifier type (1st, 2nd, 3rd)
- Date of testing & Expiration & URL
- Applicable Facilities
- Notes to explain

“Green” Certification Standards

Chemicals of Concern	MPI Green Performance	Green Seal - 11	EU Ecolabel for Paints & Varnishes
NPEs	-	Prohibited	Prohibited
Triclosan	-	-	Prohibited
Nano-particles	-	-	Restricted
SVOCs	-	-	Restricted
VOCs/Other	Restricted	Restricted	Restricted

Triclosan: a.k.a Microban, Biofresh



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Kaiser Permanente pulled triclosan from its 37 hospitals across the country in 2010, switching to traditional soaps and alcohol-based hand sanitizers.

Johnson & Johnson has pledged to remove triclosan from all of its adult products by the end of 2015. The company says none of its baby products currently contain the ingredient.

FDA review complete by 2016

Thank You !



Healthybuilding.net



Pharosproject.net



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