



REVISED: 01/25/19

## External Communication - North America

### Title: PRODUCT TRANSPARENCY INVENTORY

LEED v4, Building product disclosure and optimization - material ingredients requirements, Option 1: material ingredient reporting.

WELL Building Standard™, AIR FEATURE 25: Toxic material reduction + MIND FEATURE 97: Material transparency

Living Building Challenge Red List

PRODUCTS: ROCKWOOL AFB®, COMFORTBATT®, SAFE'n'SOUND®, CAVITYROCK®, CURTAINROCK®, COMFORTBOARD™, ROXUL SAFE™, ROCKBOARD®, ROCKWOOL PLUS® MB, CONROCK®, FABROCK™

INGREDIENT LIST				
NAME	CAS	% WEIGHT	ROLE	HAZARD SCREEN GREEN SCREEN LT SCORE*
Mineral Fiber	-**	96-97%	Mineral Wool	LT-UNK
Urea Phenol Formaldehyde (resin)	25104-55-6	<3%	Binding Agent	LT-UNK
Corn Sugar Syrup	8029-43-4	<1%	Binding Agent	LT-UNK
Residual Oils (Petroleum), Solvent-Dewaxed	64742-62-7	0.05-0.2%	0.05-0.2%	LT-1

PRODUCTS: MONOBOARD®, TOPROCK® DD, MULTIFIX™ stone wool core only

INGREDIENT LIST				
NAME	CAS	% WEIGHT	ROLE	HAZARD SCREEN GREEN SCREEN LT SCORE*
Mineral Fiber	-**	93-96%	Mineral Wool	LT-UNK
Urea Phenol Formaldehyde (resin)	25104-55-6	<6%	Binding Agent	LT-UNK
Corn Sugar Syrup	8029-43-4	<1%	Binding Agent	LT-UNK
Residual Oils (Petroleum), Solvent-Dewaxed	64742-62-7	0.05-0.2%	0.05-0.2%	LT-1

Ingredients reported to 1000ppm

\* GreenScreen® List Translator (LT) scores according to [www.toxnot.com](http://www.toxnot.com)

\*\* Man Made Vitreous Wool Fibres are IARC classified as Group 3 (not classifiable as to their carcinogenicity to humans). ROCKWOOL Fibre chemistry complies with Note Q requirements for short-term biopersistence



## Formaldehyde

Content (product): < 20 ppm/0.002% (ISO 14184-1:2011)

## LBC Red List

Formaldehyde (see above) is the only registered intentionally added LBC Red List substance.

Red List exception I10-E9 (3/2013) Phenol Formaldehyde in Mineral Wool: Phenol formaldehyde is allowed in rigid mineral wool insulation for exterior applications (such as rain screen assemblies or foundation insulation). While rigid mineral wool insulation does contain some formaldehyde, most of the formaldehyde is eliminated in the production process through a chemical reaction and high heat. Rigid mineral wool insulation installed on the exterior of the building possess less risk to humans and ecosystem than rigid foam insulation products, which almost always contain HFRs and use blowing agents with high global warming potential.

Product does not contain any materials above thresholds on the REACH SVHC, RoHS 2 or USEPA TRI lists.

## Abbreviations and Acronyms

GreenScreen®	GreenScreen® for Safer Chemicals
LBC Red List	International Living Future Institute
Perkins + Will Precautionary List	Transparency.perkinswill.com
IARC	International Agency on the Research on Cancer World Health Organization
NTP	National Toxicology Program U.S. Department of Health and Human Services
Prop 65	California Proposition 65
REACH SVHC	Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Substances of Very High Concern
USEPA TRI	US Environmental Protection Agency Toxic Release Inventory
RoHS 2	Restriction of Hazardous Substances (Directive 2011/65/EU)
CAS	Chemical Abstract Services
Note Q	European Commission Directive 97/69/EC December 5 <sup>th</sup> , 1997 -exclusion of Man Made Vitreous Fibres from classification as a carcinogen

## Disclaimer

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