

LEED Green Building Rating System

Information Pertaining to GE Elemax* AWB System

Credit 4.1: Low-Emitting Materials, Adhesives & Sealants

Intent: Reduce the quantity of indoor air contaminants that are odorous, potentially irritating and/or harmful to the comfort and well-being of installers and occupants.

Requirements: The Volatile Organic Compounds (VOC) content of adhesives and sealants used must be less than the current VOC content limits of South Coast Air Quality Management District (SCAQMD) Rule #1168, and all sealants used as fillers must meet or exceed the requirements of the Bay Area Air Quality Management District Regulation 8, Rule 51.

VOC content of GE sealants, adhesives & mastic coatings	
Elemax 2600 AWB	24 g/L
Elemax 5000	20 g/L
SilShield AWB SEC2500	238 g/L
SilPruf SCS2000	20 g/L
SilPruf NB SCS9000	37 g/L
SilPruf LM SCS2700	27 g/L
SWS	21 g/L
UltraSpan UST2200	0 g/L
RF100	0 g/L
Elemax SS Flashing	0 g/L

Recycled Content: The above GE Sealants contain 0% recycled content.

Credit 5.1: Local/Regional Materials

Intent: Increase demand for building products that are manufactured locally, thereby reducing the environmental impacts resulting from their transportation and supporting the local economy.

Requirements: Specify a minimum of 20% of building materials that are manufactured regionally within a radius of 500 miles.

Map of (some of) Momentive's North American manufacturing facilities with superimposed 500 mile radius shown (approximate).

NOTE: Chino site is a silicone rubber compounding facility; relevant to GE UltraSpan products.



Location of Raw Material Extraction/Harvest

Product: Elemax 2600 AWB

→ The following are key chemical ingredients as incorporated on SDSs.

Raw Material	Location of Extraction / Harvest	Weight Percentage
Polydimethylsiloxane	Waterford, NY	30 – 50%
Calcium Carbonate	USA	25 – 45%
Decamethylcyclopentasiloxane	Waterford, NY	5 – 10%

Product: Elemax 5000

→ The following are key chemical ingredients as incorporated on SDSs.

Raw Material	Location of Extraction / Harvest	Weight Percentage
Dimethylpolysiloxane	Waterford, NY	30 – 60%
Methyl Trimethoxysilane	Waterford, NY	5 – 10%
Polydimethylsiloxane	Waterford, NY	10 - 30%
Fumed Silica	Waterford, NY	1 – 5%
Calcium Carbonate	USA	30 – 60%

Product: SilShield AWB SEC2500

→ The following are key chemical ingredients as incorporated on SDSs.

Raw Material	Location of Extraction / Harvest	Weight Percentage
Dimethylsiloxane	Waterford, NY	10 – 30%
Calcium Carbonate	USA	30 – 60%
Petroleum Distillates	Houston, TX	10 – 30%

Product: SCS2000

→ The following are key chemical ingredients as incorporated on SDSs.

Raw Material	Location of Extraction / Harvest	Weight Percentage
Polydimethylsiloxane	Waterford, NY	10 - 30%
Methyl Trimethoxysilane	Waterford, NY	5 – 10%
Dimethylpolysiloxane	Waterford, NY	30 – 60%
Fumed Silica	Waterford, NY	1 – 5%
Calcium Carbonate	USA	30 – 60%

Product: SCS9000

→ The following are key chemical ingredients as incorporated on SDSs.

Raw Material	Location of Extraction / Harvest	Weight Percentage
Polydimethylsiloxane	Leverkusen (Germany)	35 – 55%
Methyl Trimethoxysilane	Waterford, NY	2 - 5%
Fumed Silica	Germany	3 – 6%
Calcium Carbonate	USA	30 – 60%

Product: SWS

→ The following are key chemical ingredients as incorporated on SDSs.

Raw Material	Location of Extraction / Harvest	Weight Percentage
Polydimethylsiloxane	Waterford, NY	15 – 30%
Methyl Trimethoxysilane	Waterford, NY	2 – 5%
Dimethylpolysiloxane	Waterford, NY	25 – 55%
Fumed Silica	Waterford, NY	1 – 4%
Calcium Carbonate	USA	35 – 65%

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