



LEED Green Building Rating System

Information Pertaining to GE Construction Sealants

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	
Sealants	g/L
SilPruf SCS2000	20
SilPruf NB SCS9000	37
SilPruf LM SCS2700	27
SilPruf SCS2350	37
SilPruf F SCS9100	27
SilGlaze II SCS2800	33
Contractors SCS1000	20
Sanitary SCS1700	36
SWS	21
SilShield 3100	34
Optic 3101	<50
UltraPruf II SCS2900	23
Silglaze N10	30
Enduris 3500	<30
Construction SCS1200	23
RapidStrength RGS7700 (mixed)	
RGS7700A/RGS7700B	17
RGS7700A/RGS7703B	25
IGS3103	23
IGS3713	37
IGS3723A/IGS3723B/IGS3727B (mixed)	27
IGS3763A/IGS3763B (mixed), IGS3767A/IGS3767B (mixed)	46
Pensil 300	22
Acoustical RCS20	53



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

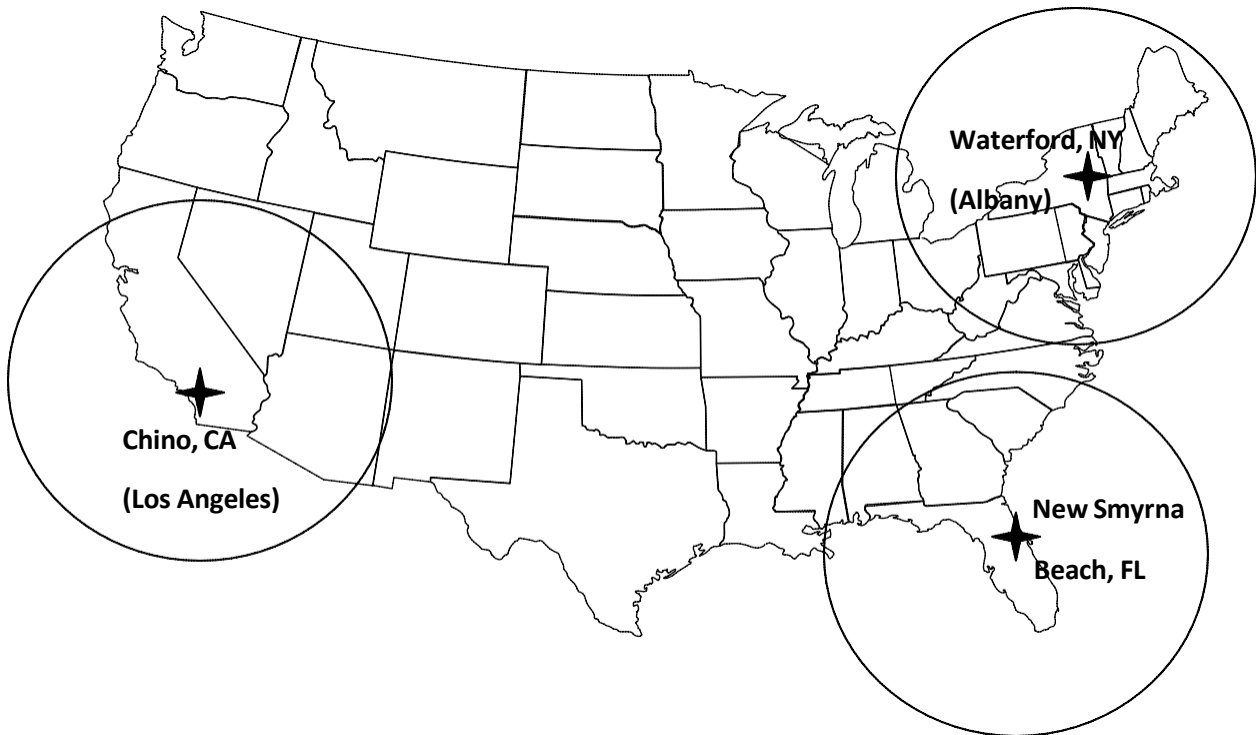
Credit 5.1: Local/Regional Materials

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: **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%

Products: **SWS & SCS2350**

→ 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%

Product: **SCS2900**

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

Raw Material	Location of Extraction / Harvest	Weight Percentage
Polydimethylsiloxane	Non-US site	20 - 40%
Methyl Trimethoxysilane	Waterford, NY	2 - 5%
Dimethylpolysiloxane	Non-US site	5 – 20%
Fumed Silica	Non-US site	3 – 6%
Calcium Carbonate	Non-US site	30 – 60%

Product: IGS3743A Base & IGS3743B Catalyst

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

Raw Material	Location of Extraction / Harvest	Weight Percentage
Catalyst		
Polydimethylsiloxane	Waterford, NY	30 – 60%
Gamma- Aminopropyltriethoxysilane	Sistersville, WV	10 – 30%
Tetra-n-propylorthosilicate	-	10 – 30%
Base		
Stearic Acid	USA	1 – 5%
Limestone	USA	30 – 60%
Dimethylpolysiloxane	Waterford, NY	30 – 60%

Product: IGS3723A Base and IGS3723B & IGS3727B Catalyst

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

Raw Material	Location of Extraction / Harvest	Weight Percentage
Catalyst		
Polydimethylsiloxane	Waterford, NY	30 – 60%
Gamma- Aminopropyltriethoxysilane	Sistersville, WV	10 – 30%
Tetra-n-propylorthosilicate	-	10 – 30%
Base		
Stearic Acid	USA	1 – 5%
Limestone	USA	30 – 60%
Dimethylpolysiloxane	Waterford, NY	30 – 60%

Product: SCS1200, SCS1700

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

Raw Material	Location of Extraction / Harvest	Weight Percentage
Polydimethylsiloxane	Waterford, NY	50-75%
Silanol Containing Siloxanes	Waterford, NY	5-15%
Methyltriacetoxysilane	Waterford, NY	1-4%
Treated Silicon Dioxide Filler	Waterford, NY	10-20%

Products: 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%

Products: SCS9100

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

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

Product: Enduris 3500

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

Raw Material	Location of Extraction / Harvest	Weight Percentage
Dimethylsiloxane	Waterford, NY	15 – 35%
Calcium Carbonate	USA	20 – 65%
Petroleum Distillates	Houston, TX	10 – 35%

Product: SCS1000

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

Raw Material	Location of Extraction / Harvest	Weight Percentage
Silanetriol, 1-methyl- 1,1,1, triacetate	Waterford, NY	1-5%
Octamethylcyclotetrasiloxane	Waterford, NY	0-1%