

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
SilGlaze II SCS2800	33
Contractors SCS1000	20
Sanitary SCS1700	36
SWS	21
SilShield 2400	238
Optic 2401	234
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
Paintable SCS7000	10
Acoustical RCS20	53



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

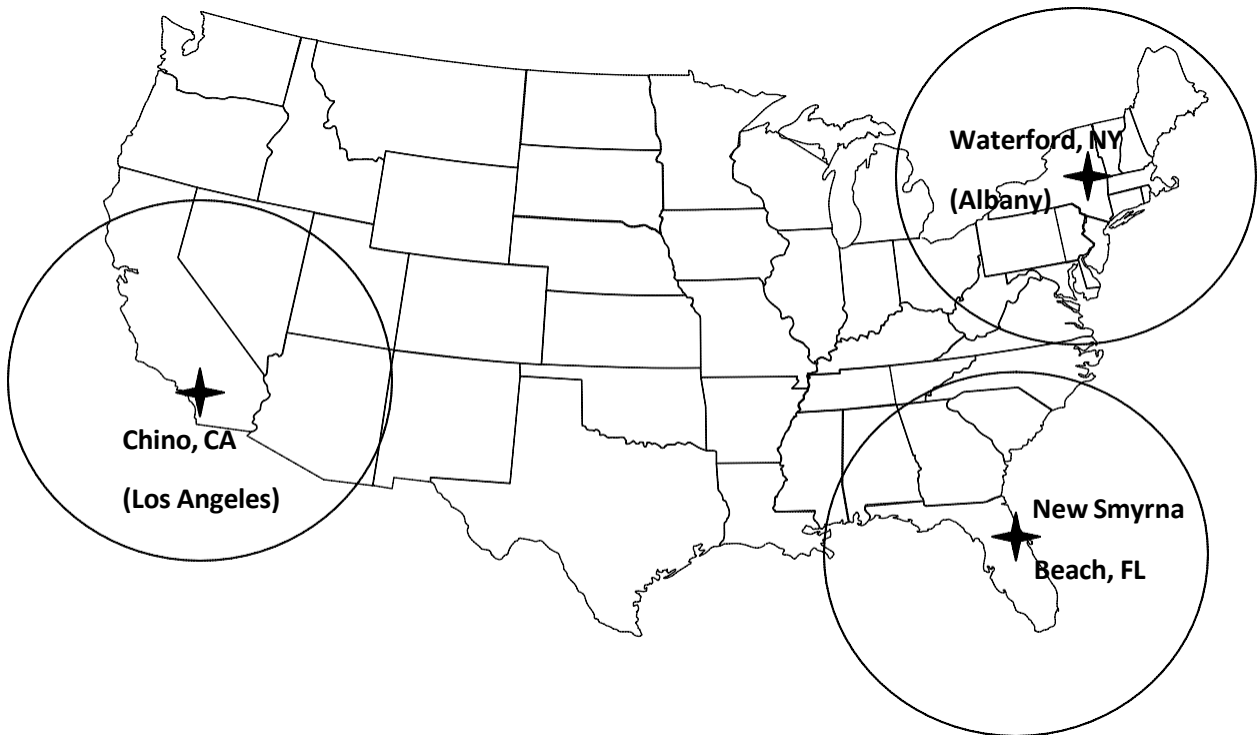
Credit 5.1: Local/Regional Materials

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%

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%