

LEED Green Building Rating System

Information Pertaining to Momentive's 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 Momentive Silicones for Building Products

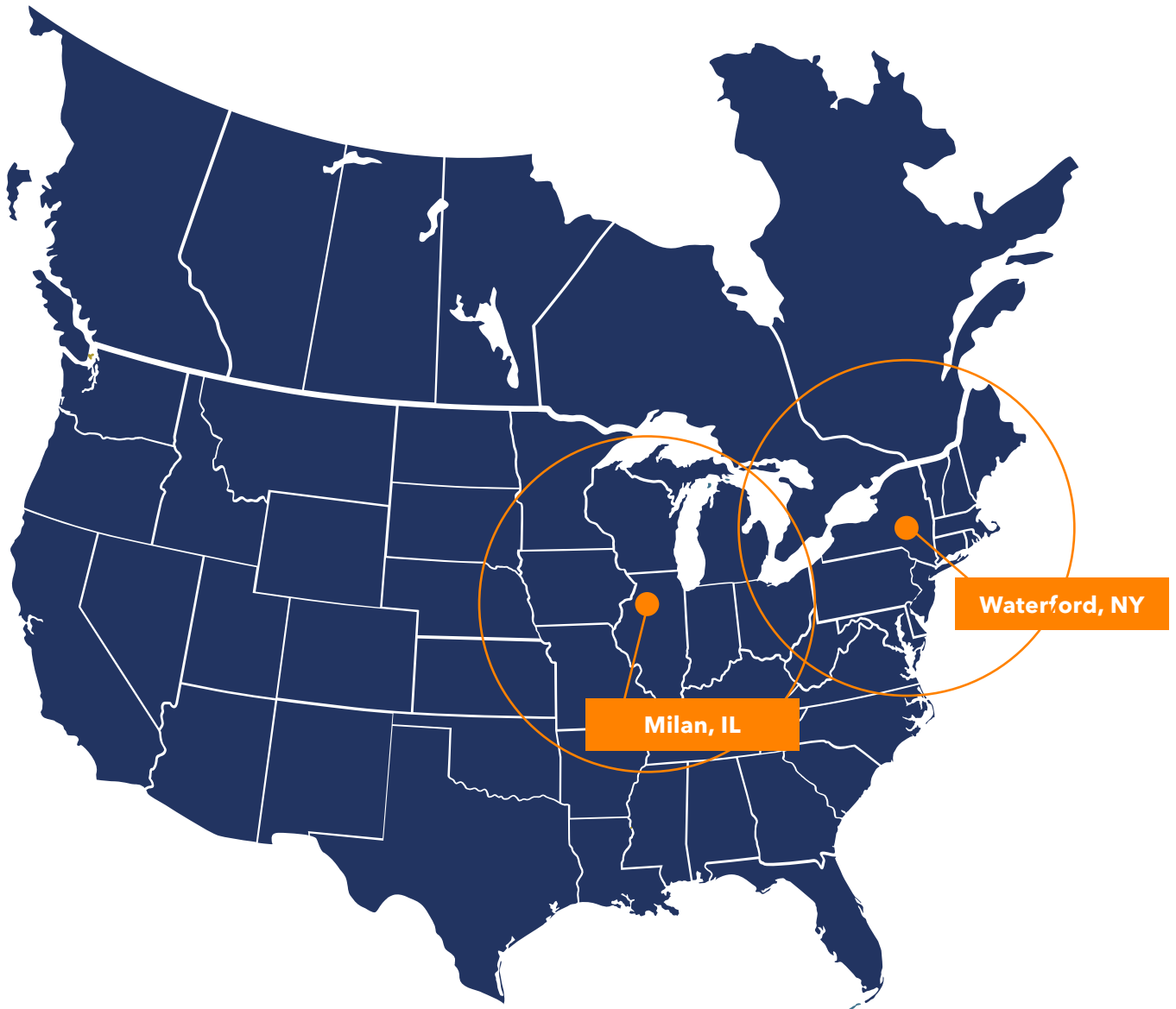
Sealants	g/L
SilPruf™ SCS2000	20
SilPruf NB SCS9000	37
SilPruf LM SCS2700	27
SilPruf SCS2350	37
SilPruf F SCS9100	27
SilGlaze™ II SCS2800	33
SilGlaze II SCS2811	34
Contractors SCS1000	20
Sanitary SCS1700	36
SWS	21
SilShield™ 3100	34
Optic™ 3101	<50
UltraPruf™ II SCS2900	23
Silglaze N10	30
Enduris™ 3500	<30
Construction SCS1200	23
RapidStrength™ RGS7700A+RGS7700B (mixed)	17
RapidStrength RGS7700A+RGS7703B (mixed)	25
EdgeSil™ IGS3103	23
EdgeSil IGS3713	37
EdgeSil IGS3723A+IGS3723B or +IGS3727B (mixed)	27
EdgeSil IGS3763A+IGS3763B (mixed), IGS3767A+IGS3767B (mixed), IGS3760A+IGS3760B (mixed), IGS3767A+IGS3760B (mixed)	46
Pensil™ 300	22

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).



Location of Raw Material Extraction/Harvest

Product: SilPruf 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: SWS & SilPruf 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: UltraPruf 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: Construction SCS1200 & Sanitary 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%

Product: EdgeSil IGS3723A Base and EdgeSil 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-propyl orthosilicate	-	10 - 30%
Base		
Stearic Acid	USA	1 - 5%
Limestone	USA	30 - 60%
Dimethylpolysiloxane	Waterford, NY	30 - 60%

Product: SilPruf 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: SilPruf 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: Contractors 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%
Octamethylcyclotetrasil.2 oxane	Waterford, NY	0 - 1%

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