



## Technical Services Bulletin OateySCS Products and "LEED" (1/2012)

This technical bulletin covers two topics.

1. LEED points available for OateySCS products.
2. Information on VOC value to use when filling out LEED paperwork.

1. "LEED" stands for "Leadership in Energy and Environmental Design." It is comprised of a set of rating systems for different types of construction which have been developed by the U.S Green Building Council. The most familiar rating system is "LEED-NC" which covers new commercial and institutional buildings and major renovations; "LEED-Homes" is newer and covers residential construction. OateySCS products that qualify for LEED points are Plastic Pipe Solvent Cements, Primers, Cleaners, Acrylic and Silicone sealant.

**For "LEED-NC" – 1 LEED point available when all adhesives and sealants used on the job comply with SCAQMD Rule 1168.**

The applicable credit category is Indoor Environmental Quality (IEQ) Credit 4.1: Low-Emitting Materials – Sealants and Adhesives and the requirement is compliance to South Coast Air Quality Management District (SCAQMD) Rule 1168 for Volatile Organic Compound (VOC) limits as indicated in the table in Section 4.1. (Table 1 at the end of the bulletin is a recreation) **Note:** Compliance of **ALL** adhesives and sealants, used in a building, with Rule 1168 results in one point towards the point total for the building.

The full text of "LEED-NC 2.2" can be accessed at: <http://www.usgbc.org/ShowFile.aspx?DocumentID=1095>.

**For "LEED-Homes" – ½ LEED point available for each product used that complies with SCAQMD Rule 1168, up to a maximum of 8 points.**

The applicable credit category is Material and Resources (MR) 2.2 Environmentally Preferable Products section b and also requires compliance to SCAQMD Rule 1168 as indicated by Table 26. The difference between the "LEED-NC" and "LEED-Homes" systems are the points awarded. For "LEED-Homes" each component that meets the requirements of MR 2.2 earns 0.5 point up to a maximum of 8 points for the category. There is no stipulation that all adhesives and sealants must comply with rule 1168.

The full text of "LEED-Homes" can be accessed at: <http://www.usgbc.org/ShowFile.aspx?DocumentID=3638>.

2. When filling out "LEED" paperwork use the following information. It is the responsibility of someone involved with the construction project to fill out the necessary paperwork.

Category	Application	Actual VOC level	SCAQMD Rule 1168 VOC Limits
PVC Solvent Cements	PVC Welding	490 g/L ave	510 g/L
CPVC Solvent Cements	CPVC Welding	475 g/L ave	490 g/L
Primers and Cleaners	Adhesive Primer for Plastics	525 g/L ave	550 g/L
ABS Solvent Cements	ABS Welding	310g/L ave	325 g/L
Sealants	Architectural	235 g/L ave	250 g/L



**Table 1**

Adhesives, Sealants and Sealant Primers: South Coast Air Quality Management District (SCAQMD) Rule #1168. VOC limits are listed in the table below and correspond to an effective date of July 1, 2005 and rule amendment date of January 7, 2005.

Architectural Applications	VOC Limit	Specialty Applications	VOC Limit [g/L less water] [g/L less water]
Indoor Carpet Adhesives	50	PVC Welding*	510
Carpet Pad Adhesives	50	CPVC Welding*	490
Wood Flooring Adhesives	100	ABS Welding*	325
Rubber Floor Adhesives	60	Plastic Cement Welding	250
Subfloor Adhesives	50	Adhesive Primer for Plastic*	550
Ceramic Tile Adhesives	65	Contact Adhesive	80
VCT & Asphalt Adhesives	50	Special Purpose Contact Adhesive	250
Drywall & Panel Adhesives	50	Structural Wood Member Adhesive	140
Cove Base Adhesives	50	Sheet Applied Rubber Lining Operations	850
Multipurpose Construction Adhesives	70	Top & Trim Adhesive	250
Structural Glazing Adhesives	100		
Substrate Specific Applications	VOC Limit	Sealants	VOC Limit [g/L less water] [g/L less water]
Metal to Metal	30	Architectural*	250
Plastic Foams	50	Nonmembrane Roof	300
Porous Material (except wood)	50	Roadway	250
Wood	30	Single-Ply Roof Membrane	450
Fiberglass	80	Other	420
Sealant Primers VOC Limit	[g/L less water]		
Architectural Non Porous	250		
Architectural Porous	775		
Other	750		

\*Red items denote applications that cover OateySCS product.