



Varco Pruden Buildings' Contribution to Earning LEED Points



A BlueScope Steel Company

The LEED Rating System rates the aggregate system of the building, individual components of the building do not, by themselves earn points. The following chart shows how products provided by Varco Pruden Buildings may contribute to earning LEED points:

LEED New Construction & Major Renovation v2.2 Section	Subject	LEED Requirements	Potential Points	Varco Pruden Buildings' Contribution									
SS Credit 7.2	Heat Island Effect: Roof	<p>Use roofing materials having a Solar Reflectance Index (SRI) equal to or greater than the values in the table below for a minimum of 75% of the roof surface.</p> <table border="1"> <thead> <tr> <th>Roof Type</th> <th>Slope</th> <th>SRI</th> </tr> </thead> <tbody> <tr> <td>Low-Sloped Roof</td> <td>≤ 2:12</td> <td>78</td> </tr> <tr> <td>Steep-Sloped Roof</td> <td>> 2:12</td> <td>29</td> </tr> </tbody> </table>	Roof Type	Slope	SRI	Low-Sloped Roof	≤ 2:12	78	Steep-Sloped Roof	> 2:12	29	1	<p>For Low Slope roofs (less than or equal to 2:12) Varco Pruden Buildings offers 1 roof paint with Solar Reflectance Index (SRI) of 78 or greater. For Steep Slope roofs (greater than 2:12) Varco Pruden Buildings offers 10 roof paint(s) with Solar Reflectance Index (SRI) of 29 or greater. See chart on page 2 of this document.</p>
Roof Type	Slope	SRI											
Low-Sloped Roof	≤ 2:12	78											
Steep-Sloped Roof	> 2:12	29											
MR Credit 3.1	Materials Reuse 5%	<p>Use salvaged, refurbished or reused materials such that the sum of these materials constitutes at least 5%, based on cost, of the total value of materials on the project. Mechanical, electrical and plumbing components and specialty items such as elevators and equipment shall not be included in this calculation. Only include materials permanently installed in the project. Furniture may be included, providing it is included consistently in MR Credits 3-7.</p>	1	All Varco Pruden Buildings steel materials are 100% recyclable in the future.									
MR Credit 3.2	Materials Reuse 10%	<p>Use salvaged, refurbished or reused materials for an additional 5% beyond MR Credit 3.1 (10% total, based on cost). Mechanical, electrical and plumbing components and specialty items such as elevators and equipment shall not be included in this calculation. Only include materials permanently installed in the project. Furniture may be included, providing it is included consistently in MR Credits 3-7.</p>	1	All Varco Pruden Buildings steel materials are 100% recyclable in the future.									
MR Credit 4.1	Recycled Content 10% (post-consumer + ½ pre-consumer)	<p>Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes at least 10% (based on cost) of the total value of the materials in the project. The recycled content value of a material assembly shall be determined by weight. The recycled fraction of the assembly is then multiplied by the cost of the assembly to determine the recycled content value. Mechanical, electrical and plumbing components and specialty items such as elevators shall not be included in this calculation. Only include materials permanently installed on the project. Furniture may be included, providing it is included consistently in MR Credits 3-7. Recycled content shall be defined in accordance with the International Organization for Standardization document, ISO 14021--Environmental labels and declarations--Self-declared environmental claims (Type II environmental labeling). Post-consumer material is defined as waste material generated by households or by commercial, industrial and institutional facilities in their role as end-users of the product, which can no longer be used for its intended purpose. Pre-consumer material is defined as (continued on next page) waste material diverted from the waste stream during the manufacturing process. Excluded is reutilization of materials such as rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it.</p>	1	<p>Varco Pruden Buildings Recycled Content is at least 25%. The breakdown of this 25% is 83.6% from post-consumer and 16.4% from pre-consumer resources. For more information, request the Recycled Steel Memo from VP Marketing at 901-748-8000</p>									

LEED New Construction & Major Renovation v2.2 Section	Subject	LEED Requirements	Potential Points	Varco Pruden Buildings' Contribution
MR Credit 4.2	Recycled Content 20% (post-consumer + ½ pre-consumer)	<p>Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes an additional 10% beyond MR Credit 4.1 (total of 20%, based on cost) of the total value of the materials in the project. The recycled content value of a material assembly shall be determined by weight. The recycled fraction of the assembly is then multiplied by the cost of the assembly to determine the recycled content value. Mechanical, electrical and plumbing components and specialty items such as elevators shall not be included in this calculation. Only include materials permanently installed on the project. Furniture may be included, providing it is included consistently in MR Credits 3-7. Recycled content shall be defined in accordance with the International Organization for Standardization document, ISO 14021--Environmental labels and declarations--Self-declared environmental claims (Type II environmental labeling).</p> <p>Post-consumer material is defined as waste material generated by households or by commercial, industrial and institutional facilities in their role as end-users of the product, which can no longer be used for its intended purpose.</p> <p>Pre-consumer material is defined as waste material diverted from the waste stream during the manufacturing process. Excluded is reutilization of materials such as rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it.</p>	1	Varco Pruden Buildings Recycled Content is at least 25%. The breakdown of this 25% is 83.6% from post-consumer and 16.4% from pre-consumer resources.

Addendum: Solar Reflectivity Index

COOL PAINT INFORMATION – Consult specifier or agencies to meet specific requirements							
VP Buildings Solar Reflective Analysis as of August 2007 ASTM - E-903, C-1549, C-1371, E-1980				LEED 2.2 Low Slope	LEED 2.2 Steep Slope	Energy Star Low Slope	Energy Star Steep Slope
VP's COLOR FINISH NAME	Results SRV	Radiative Emissivity	Results SRI*	Minimum .78 SRI	Minimum .29 SRI	Minimum .65 SRV	Minimum .25 SRV
Cool Regal White	72.20	0.86	88	YES	YES	YES	YES
Arctic White	64.10	0.87	77	NO	YES	NO	YES
Egyptian White	60.87	0.84	71	NO	YES	NO	YES
Classic Beige	53.10	0.86	61	NO	YES	NO	YES
Cool Sierra Tan	49.10	0.86	56	NO	YES	NO	YES
Cool Zinc Gray	38.60	0.85	41	NO	YES	NO	YES
Terra Cotta	35.50	0.86	38	NO	YES	NO	YES
Cool Colonial Red	30.10	0.85	30	NO	YES	NO	YES
Forest Green	29.50	0.84	29	NO	YES	NO	YES
Regal Blue	26.80	0.85	26	NO	NO	NO	YES
Tahoe Blue	28.94	0.85	25	NO	NO	NO	YES
Leaf Green	25.52	0.84	23	NO	NO	NO	YES
Matte Black (Trim Only)	25.40	0.83	23	NO	NO	NO	YES
Patrician Bronze	25.10	0.84	23	NO	NO	NO	YES
Unpainted Galvalume	00.58	0.06	32	NO	YES	NO	YES

* Solar Reflectivity Index includes Solar Reflectivity Values and Emissivity calculations.