



Certification Rating: Platinum
Category: Precast Concrete
Subcategory: Underground Utility
Pipe and vault Systems
Certification Period: 3 Years

Columbia Precast Products: Precast Concrete: Pipes, Manholes, Vaults, and related Precast Concrete Systems



Certified By:



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Certified Sustainable to the Triple Bottom Line: Good for the Environment, the Economy, and the Global Community

Columbia Precast Products: Precast Concrete; Pipes, Vaults, and related Concrete Utility Systems

To achieve SMaRT® Sustainable Product Certification at any level, products must achieve 14 prerequisite points, and score a minimum of 28 out of 162 points in the following areas covering all product stages across the global supply chain:

- Safe for Public Health & Environment
- Renewable Energy and Energy Reduction
- Biobased or Recycled Materials
- Facility or Company Requirements
- Reclamation Sustainable Reuse & End of Life management
- Innovation in Manufacturing

Under these areas, products are required to:

- Provide Feedstock Inventory Documentation
- Document the Input and Output of Stockholm Chemicals
- Maintain a Manufacturing Facility Energy Inventory
- Keep an Inventory of all Biobased and Recycled Content Materials
- Have EMS Environmental Policies and Targets
- Have Social Indicator Reporting for Manufacturers (working conditions)
- Use ISO Life Cycle Assessment process
- Have Operational Reclamation and/or Sustainable Reuse Programs
- Have Product Performance Durability (long lasting products)

108 points: SMaRT Sustainable Platinum

27 points: Safe for Public Health & Environment
 Non Toxic, Zero to De Minimus Air, water, and waste pollutants..

25 points: Renewable Energy & Energy Reduction
 Energy Inventory, Zero SF6 facility and manufacturing, 100% Green-E Certified (Renewable) energy manufacturing energy offsets.

2 points: Biobased or Recycled Content Materials
 Inventory Recycled Content materials.

6 points: Facility or Company Based
 Environmental Policy and Targets, Social Indicator Reporting for manufacturers, ISO Life-Cycle-Assessment (LCA) Process.

23 points: Reclamation, Sustainable Reuse, and End of Life
 Incredibly Long Life, exceptional product durability, and as an Inert material requires no removal at end of life.

15 points: Innovation in Manufacturing
 No end of life removal and disposal needed New Office attempting LEED Silver Certification.

Req.	Prereq.	Score	Requirement	Prereq. Points
108	14	108	SMaRT Consensus Sustainable Product Standard	108
1	1	1	Safe for Public Health & Environment (PH&E)	27
1.1	1.1	1	Feedstock Inventory Documentation	1
1.2	1.2	1	Input Stockholm Chemicals	1
1.3	1.3	1	Output Stockholm Chemicals	1
1.4	1.4	1	SMaRT Cartagena Policy	1
1.5	1.5	1	Inventory Human and Ecological Health Chemical Emissions	2
1.6	1.6	1	Inventory Air, Water & Waste Pollutants	2
1.7	1.7	1	Reduction Beyond Compliance	1
1.8	1.8	1	100% Reduction in Toxic Chemicals & Media Pollutants	1
1.9	1.9	1	Mercury and/or PCB	1
1.10	1.10	1	Mercury Indoor Carcinogenic VOCs	1
1.11	1.11	1	Green Coating Processes	1
1.12	1.12	1	Green Primary Insulation Materials	1
1.13	1.13	1	25-50% Reduction in Toxic Chemicals & Media Pollutants	1
1.14	1.14	1	Minimize Indoor Formaldehyde Emissions	1
1.15	1.15	1	No PFOS/PFOA Residues in Tissue	1
1.16	1.16	1	51-75% Reduction in Toxic Chemicals & Media Pollutants	1
1.17	1.17	1	Single Clean Inventory and Limit on Stockholm Chemicals	1
1.18	1.18	1	NI or De Minimis Toxic Chemicals & Media Pollutants	1
2	2	25	Renewable Energy & Energy Reduction	25
2.1	2.1	1	Energy Inventory	1
2.2	2.2	1	SMaRT SF6 Policy	1
2.3	2.3	1	1% Renewable Energy or 0.2-0.5% Energy Reduction from Inventory Quantified	1
2.4	2.4	1	2% Renewable Energy or 0.5-1% Energy Reduction	1
2.5	2.5	1	5% Renewable Energy or 1.5-2% Energy Reduction	1
2.6	2.6	1	10% Renewable Energy or 3-4% Energy Reduction	1
2.7	2.7	1	15% Renewable Energy or 4-6% Energy Reduction	1
2.8	2.8	1	20% Renewable Energy or 5-8% Energy Reduction	1
2.9	2.9	1	25% Renewable Energy or 6-10% Energy Reduction	1
2.10	2.10	1	30% Renewable Energy or 7-10% Energy Reduction	1
2.11	2.11	1	35% Renewable Energy or 8-11% Energy Reduction	1
2.12	2.12	1	40% Renewable Energy or 9-12% Energy Reduction	1
2.13	2.13	1	45% Renewable Energy or 10-13% Energy Reduction	1
2.14	2.14	1	50% Renewable Energy or 11-14% Energy Reduction	1
2.15	2.15	1	55% Renewable Energy or 12-15% Energy Reduction	1
2.16	2.16	1	60% Renewable Energy or 13-16% Energy Reduction	1
2.17	2.17	1	65% Renewable Energy or 14-17% Energy Reduction	1
2.18	2.18	1	70% Renewable Energy or 15-18% Energy Reduction	1
2.19	2.19	1	75% Renewable Energy or 16-19% Energy Reduction	1
2.20	2.20	1	80% Renewable Energy or 17-20% Energy Reduction	1
2.21	2.21	1	85% Renewable Energy or 18-21% Energy Reduction	1
2.22	2.22	1	90% Renewable Energy or 19-22% Energy Reduction	1
2.23	2.23	1	95% Renewable Energy or 20-23% Energy Reduction	1
2.24	2.24	1	100% Renewable Energy or 21-24% Energy Reduction	1
3	3	2	Biobased or Recycled Content Materials	2
3.1	3.1	2	Inventory Recycled Content Materials	2
4	4	6	Facility or Company Based	6
4.1	4.1	6	Environmental Policy and Targets, Social Indicator Reporting for manufacturers, ISO Life-Cycle-Assessment (LCA) Process.	6
5	5	23	Reclamation, Sustainable Reuse, and End of Life	23
5.1	5.1	23	Incredibly Long Life, exceptional product durability, and as an Inert material requires no removal at end of life.	23
6	6	15	Innovation in Manufacturing	15
6.1	6.1	15	No end of life removal and disposal needed New Office attempting LEED Silver Certification.	15

What specifiers will want to know about Reinforced Concrete Pipe and Precast Products:

- The first precast concrete plant in the Buried Infrastructure industry to earn SMaRT® Sustainable. Platinum level is highest achieved in all buried pipeline products.
- Completely natural raw materials and Volatile Organic Compound (VOC) free.
- Longest Life Cycle of any product used in the construction of Gravity Sewer and Storm drain Systems.
- Product will not change over time. Completely chemically inert.



<http://www.columbiaprecastproducts.com>