



Transparent.
Quantified.
Global.

Certification Rating: Gold/ EPP
 Certification #: 0000051
 Category: Vitrified Clay Products
 Subcategory: Gravity Sewer Pipe
 Certification Period: 3 Years

Vitrified Clay Pipe



Certified by:



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

Vitrified Clay Pipe

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 & 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)

SMART Building Product Standard Scorecard		Sustainable Material Rating Technology®	
Yes	No	Requirement	Requirement
10 Safe for Public Health & Environment			
1		SM 1.1 Feedstock Inventory Documentation	Required
1		SM 1.2 Input Stockholm Chemicals	Required
1		SM 1.3 Output Stockholm Chemicals	Required
2		SM 2.1 Inventory Human and Ecological Health Chemical Emissions	Required
2		SM 2.2 Inventory Air, Water, & Waste Stream Pollutants	Required
1		SM 1.2 Volatile Organic Air VOCs	
1		SM 1.3 Volatile Inorganic Air Carcinogens VOCs	
1		SM 1.4 Volatile Inorganic Air Carcinogens VOCs	
1		SM 1.5 Bio-Substantiated and/or Other VOCs	
3 Renewable Energy & Energy Reduction (RE&E)			
1		SM 3.1 Energy Inventory	Required
2 Bio based or Recycled			
2		SM 2.1 Inventory Bio based and Recycled Content Materials	Required
16 Facility or Company Based			
1		SM 16.1 EMS Environmental Policy & Targets	Required
1		SM 16.2 Social Indicator Reporting for Manufacturers	Required
4		SM 16.3 ISO Process	Required
1		SM 16.4 Transparent Secondary Materials Reclamation System	
1		SM 16.5 Transparent Materials Reclamation System	
1		SM 16.6 Transparent Reclamation Materials Reclamation System	
2		SM 16.7 Identity Integrated Design for Environment Process	
2		SM 16.8 Environmental Management System Certification	
2		SM 16.9 Sustainable/EPP Product Transaction Disclosure	

11 points: Safe for Public Health & Environment
 No Toxic byproducts or waste generated during manufacturing or raw material acquisition.

23 points: Reclamation, Reuse & End of Life
 Unparalleled product lifecycle and no product waste from manufacturing. Material can also be repurposed.

16 points: Company Social Indicators
 Companies are responsible and ethical contributors to the local community.

15 points: Innovation in Manufacturing
 Completed ISO Life Cycle Assessment

To earn a SMaRT Gold rating, Vitrified Clay Pipe earned 68 points:

What specifiers will want to know about Vitrified Clay Pipe:

- The first product in the buried infrastructure industry to earn SMaRT® Sustainable Product Certification
- Completely natural raw material and Volatile Organic Compound (VOC) free
- Longest Life Cycle of any product used in the construction of gravity sewer systems
- High recycled and recyclable content
- Product will not change over time. Completely chemically inert.



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Manufacturers of VCP can be found at
www.ncpi.org/members