



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:



1511 Wisconsin Avenue, NW
 Washington, DC 20007
 202-338-3131 p
 202-338-2800 f
 info@sustainableproducts.com
 http://mts.sustainableproducts.com

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)

| Yes | | No | | SMART Building Product Standard Scorecard | |
|---|---|----------|--|---|--|
| 10 Safe for Public Health & Environment | | | | | |
| 1 | 1 | PHI 1.1 | Feedstock Inventory Documentation | Required | |
| 1 | 1 | PHI 1.2 | Input Stockholm Chemicals | Required | |
| 1 | 1 | PHI 1.3 | Output Stockholm Chemicals | Required | |
| 2 | 1 | PHI 2.1 | Inventory Human and Ecological Health Chemical Emissions | Required | |
| 2 | 1 | PHI 2.2 | Inventory Air, Water, & Waste Disposal Pollutants | | |
| 1 | 1 | PHI 2.3 | Inventory Indoor Air VOCs | | |
| 1 | 1 | PHI 3.1 | Inventory Indoor Air Carcinogens VOCs | | |
| 1 | 1 | PHI 4.1 | Inventory Indoor Formaldehyde Emissions | | |
| 1 | 1 | PHI 4.2 | Use Substitutional options where | | |
| 3 Renewable Energy & Energy Reduction (RE&E) | | | | | |
| 1 | 1 | RE&E 1.1 | Energy Inventory | Required | |
| 2 Bio based or Recycled | | | | | |
| 2 | 1 | MBTL 1.1 | Inventory Bio based and Recycled Content Materials | Required | |
| 16 Facility or Company Based | | | | | |
| 1 | 1 | WFO 1.1 | EMS Environmental Policy & Targets | Required | |
| 1 | 1 | WFO 1.2 | Social Indicator Reporting for Manufacturers | Required | |
| 1 | 1 | WFO 2.1 | ISO Process | Required | |
| 1 | 1 | WFO 3.1 | Transparent Secondary Materials Reclamation System | | |
| 1 | 1 | WFO 3.2 | Transparent Materials Reclamation System | | |
| 1 | 1 | WFO 3.3 | Transparent Reclamation Materials Reclamation System | | |
| 2 | 1 | WFO 4.1 | Identify Integrated Design for Environment Process | | |
| 2 | 1 | WFO 5.1 | Environmental Management System Certification | | |
| 2 | 1 | WFO 6.1 | Sustainable/EPP Product Transaction Disclosures | | |

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 Sustainable 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 materials 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.



NATIONAL CLAY PIPE INSTITUTE

PO Box 759 – Lake Geneva, WI 53147
 262/248-9094

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