



NATIONAL CLAY PIPE INSTITUTE



SMART BUILDING PRODUCT STANDARD® SCORECARD

Sustainable Materials Rating Technology®

Product Name: Vitrified Clay Pipe (VCP), Clay Roof Tile, Clay Flue Liners, & Architectural Terracotta

Applicant: NCPI - National Clay Pipe Institute

Scorecard Date: FINAL 9/13/2011



Yes	No			
		PHE	Safe for Public Health & Environment	
11				
1		PHE 1-1	Feedstock Inventory Documentation	Required
1		PHE 1-2	Input Stockholm Chemicals	Required
1		PHE 1-3	Output Stockholm Chemicals	Required
2		PHE 2-1	Inventory human and ecological health chemical emissions	
2		PHE 2-2	Inventory Air, Water, & Waste (media) Pollutants	
1		PHE 3-2	Minimize Indoor Air VOCs	
1		PHE 3-3	Minimize Indoor Air Carcinogenic VOCs	
1		PHE 4-2	Minimize Indoor Formaldehyde Emissions	
1		PHE 4-3	No Polybrominated diphenyl ethers	
		PHE	Renewable Energy & Energy Reduction (RE&ER)	
1				
		<i>Manufacturing Facility Only</i>		
1		RE&ER 1-1	Energy Inventory	Required
		MATLS	Bio based or Recycled	
2				
2		MATLS 1-1	Inventory Bio based and Recycled Content Materials	Required
		MFG	Facility or Company Based	
16				
1		MFG 1-1	EMS Environmental Policy & Targets	Required
1		MFG 1-2	Social Indicator Reporting for Manufacturers	Required
4		MFG 2-1	LCA Process	Required
1		MFG 3-1	Transparent Secondary Materials Reclamation System	
1	1	MFG 3-2	Transparent Materials Reclamation System	
2		MFG 3-3	Transparent Repurpose Materials Reclamation System	
2		MFG 4-1	Identify Adopted Design for Environment Process	
2		MFG 5-1	Environmental Management System Certification	
2		MFG 6-1	Sustainable/EPP Product Transaction Disclosures	



NATIONAL CLAY PIPE INSTITUTE



SMART BUILDING PRODUCT STANDARD® SCORECARD

Sustainable Materials Rating Technology®

Product Name: Vitrified Clay Pipe (VCP), Clay Roof Tile, Clay Flue Liners, & Architectural Terracotta

Applicant: NCPI - National Clay Pipe Institute

Scorecard Date: FINAL 9/13/2011



Yes	No	
------------	-----------	--

23		EOL	Reclamation, Sustainable Reuse, & End of Life Management	
1		EOL 1-1	Operational Reclamation and/or Sustainable Reuse Programs Required	Required
1		EOL 1-2	Performance Durability Required	Required
2		EOL 2-1	Extended Product Life of System	
3		EOL 2-2 -- 2-4	1-6% Product Reclamation and/or Reuse [1 pt every 2%]	
3		EOL 3-1 -- 3-3	7-12% Product Reclamation and/or Reuse [1 pt every 2%]	
4		EOL 4-1 -- 4-4	13- 20% Product Reclamation and/or Reuse [1 pt every 2%]	
5		EOL 5-1 -- 5-5	21- 30% Product Reclamation and/or Reuse [1 pt every 2%]	
4		EOL 6-1 -- 6-3	30% or More Product Reclamation and/or Reuse [1 pt for 2% until 38%]	
Yes		EOL 6-4 -- 6-11	Innovation: Product Reclamation and/or Reuse	

15		IM	Innovation in Manufacturing	
14		IM - 1-1	EOL 6-5 -- 6-11 2 pts for every 10% more Reclamation [39-100%]	
1			Green Cleaning - NO VOC, water only (remain in PHE)	

68		Final Product Score		
-----------	--	----------------------------	--	--

MTS Certified Achievement - Sustainable 28-40 pts Silver 41-60 pts Gold 61-89 pts Platinum 90-162 pts

Adjustment minus -2 points for each threshold due to omission of Cleaner & Greener Certification credits (GOLD min = 59)

SMaRT Gold