



Certification Rating: Gold/ EPP

Category: Water & Sewer
 Certification Period: Oct. 23, 2012-2015

Ductile Iron Pipe



Certified by:



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

Ductile Iron 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
- Bio-based 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 no Input or Output of Stockholm Chemicals
- Maintain a Manufacturing Facility Energy Inventory
- Keep an Inventory of all Bio-based 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 certified		Transparent. Quantified. Global.	PERKINS + WILL	MTS
SMaRT® Certified Sustainable Product Standard Scorecard				
Product Name: Ductile Iron Pipe				
Standard Date: October 13, 2012				
Prerequisite Points				
Safe for Public Health & Environment (PH&E)				
1	PH&E 1.1	Freedom from Toxic Chemicals	Required	
1	PH&E 1.2	Lead & Lead-based Chemicals	Required	
1	PH&E 1.3	Asbestos	Required	
Renewable Energy & Energy Reduction (RE&ER)				
1	RE&ER 1.1	Energy Inventory	Required	
Material or Recycled Materials (M&R)				
1	M&R 1.1	Material: Recycled and Recycled Content Materials	Required	
1	M&R 2.1	8% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.2	10% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.3	15% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.4	20% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.5	25% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.6	30% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.7	35% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.8	40% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.9	45% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.10	50% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.11	55% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.12	60% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.13	65% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.14	70% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.15	75% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.16	80% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.17	85% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.18	90% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.19	95% Recycled, Recycled Content, or EPP Material	Required	
1	M&R 2.20	100% Recycled, Recycled Content, or EPP Material	Required	
Facility or Company Based (FCB)				
1	FCB 1.1	EMS Environmental Policy & Targets	Required	
1	FCB 1.2	Social Indicator Reporting for Manufacturers	Required	
1	FCB 1.3	Life Cycle Assessment (LCA) Process	Required	
Reclamation, Sustainable Reuse & End of Life Management (R&ELM)				
1	R&ELM 1.1	Operational Reclamation and/or Sustainable Reuse Programs	Required	
1	R&ELM 1.2	Performance Durability	Required	
1	R&ELM 2.1	50% Product Reclamation and/or Reuse	Required	
1	R&ELM 2.2	75% Product Reclamation and/or Reuse	Required	
1	R&ELM 2.3	100% Product Reclamation and/or Reuse	Required	
1	R&ELM 3.1	90% of Work Product Reclamation and/or Reuse	Required	
1	R&ELM 3.2	95% of Work Product Reclamation and/or Reuse	Required	
1	R&ELM 3.3	100% of Work Product Reclamation and/or Reuse	Required	
Innovation in Manufacturing (IM)				
1	IM 1.1	Innovation in Manufacturing: Energy, Water and Product Compounds Studies	Required	
1	IM 1.2	Innovation in Manufacturing: Energy, Water and Product Compounds Studies	Required	

Ductile Iron Pipe earned 69 points, including:

- 3 points:** Safe for Public Health & Environment
- 23 points:** Bio-based or Recycled Materials
 - 85 to 95% Recycled Content
- 6 points:** Facility or Company Based
 - EMS Environmental Policy & Targets
 - Social Indicator Reporting for Mfrs.
 - Completed ISO Life Cycle Assessment
- 21 points:** Reclamation, Sustainable Reuse & End of Life Management
 - 100 year design life
- 15 points:** Innovation in Manufacturing
 - Energy, Water and Product Compounds Studies

What buyers and specifiers will want to know about Ductile Iron Pipe:

- The second product in the Buried Infrastructure industry to earn SMaRT® Sustainable Product Certification
- Ductile Iron pipe is made from recycled ferric scrap, resulting in as high as 95% recycled content
- DIPRA Member Companies are committed to achieving targets that ensure the health and safety of employees and the public
- Ductile Iron Pipe is designed to ensure 100 years of service life

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