



# PLUMBING

TECHNICAL SERVICES



## A Truly Green DWV Plumbing System

Domestic cast iron soil pipe and fittings are made from ~95% post-consumer recycled scrap metal and is 100% recyclable at the end of its life—reducing tons of landfill waste annually. Domestic cast iron is a green building material for storm and sanitary drain, waste and vent (DWV) plumbing systems. It is also safe as it is non-combustible.

CAST IRON — THE RIGHT CHOICE  
**GREEN ATTRIBUTES**

**Domestic Cast Iron—  
Reclaimed, Recycled, Responsible**





# Why Choose Domestic Cast Iron?



## Domestic Cast Iron is Friendly to the Environment

Each year, thousands of tons of post-consumer scrap metal are used in the production of domestic cast iron soil pipe and fittings. Cast iron is also 100% recyclable at the end of its life – reducing the demand on our landfills.

As for the production of plastic piping (PVC & ABS) it is a proven source of pollution at all stages of its life starting as a petroleum based product. Plastic piping also poses a serious health risk as it off gasses at every stage of its life and it is toxic when it melts or burns. Plastic piping also requires the use of toxic cleaning fluids and solvent cements that further increases exposure to volatile organic compounds (VOCs).

Many organizations are concerned about the harmful effects to human life and environmental safety. Domestic cast iron manufacturers believe in being good stewards to the environment and share the concerns about the legacy they pass on to future generations.

Building professionals including contractors, mechanical engineers, facilities managers, and city officials are making inroads in sustainable building practices and they are actively embracing measures for use of green building products.

## Green & Sustainable Resources

American cast iron soil pipe manufactures are third-party certified. The verification is done by ICC Evaluation Services, LLC with provisions of the ICC-ES SAVE (Sustainable Attributes Verification and Evaluation) Guideline for Determination of Recycled Content of Materials (EG101) ensuring products use 95% post-consumer recycled scrap metal content. The high-content of post-consumer recycled material used in manufacturing cast iron soil pipe prevents thousands of tons of scrap iron from being deposited into landfills annually. Much of the scrap iron is sourced within a 500-mile radius of the manufacturing facility.

U.S. Foundries also self-certify manufacturing processes to ensure products meet the standards, codes and specifications. Domestic cast iron piping bears the trademark of the Cast Iron Soil Pipe Institute (CISPI) ensuring that manufacturing of the cast iron soil pipe and fittings meets the appropriate CISPI 301 and ASTM A74 standards including Annex A1. Annex A1 requires that the third party inspector shall verify compliance with the standards' manufacturing requirements for tensile strength testing, chemical analysis, screening of ferrous material for radioactivity, and physical dimension requirements.