

Environmental Datasheet

Cast Iron Rainwater/Soil & Waste Systems

Ref: ED003RW

Apex Heritage cast iron rainwater and soil waste goods provide a range of water collection solutions for small and large scale public and private heritage projects. The range includes standard traditionally manufactured designs as well as well as large bespoke and replication commissions.

Materials

Apex cast Iron rainwater and soil waste goods are manufactured under ISO9001:2000 Quality management controls to BS460 & BS416. All components are procured and developed under Alumasc's company wide environmental policy and in accordance with their ISO 14001:2004 Environmental Management System accreditation.

Manufacture

Apex cast Iron rainwater and soil waste goods are independently assessed under Alumasc's Burton Latimer site's ISO 14001:2004 based Environmental Management System. This not only ensures that upstream production processes have monitored for their environmental impact, but that due consideration is taken for all aspects of packaging, transport and disposal, in order to deliver as sustainable a rainwater product as practicable.



Apex Cast iron Gutters & Downpipes

BREEAM Credits

Apex cast Iron Gutters and down pipes are able to contribute fully to achieving BREEAM credits for responsible sourcing of materials and as part of an overall water management or rainwater harvesting scheme .

Pre-coating

In house, spray coating processes for pre-painted cast iron products have recently undergone development to limit the impact of hazardous materials and discharges as part of an ISO 14001:2004 coordinated programme of environmental management.

Recyclability

Cast Iron is truly 100% recyclable and is routinely recycled and reused during the manufacturing process of all Alumasc cast products. All finished goods benefit being made from global stocks of recycled ferrous metals.

Life Expectancy

Apex cast Iron rainwater and soil waste goods have a life expectancy in excess of 60 years. This greatly enhances the product's cradle to grave embodied energy figure relative to systems with shorter life spans. This also results in the removal of the appreciable costs, both environmental and monetary, of product replacement.

Ecological information

Apex cast Iron rainwater and soil waste products contain no toxic substances and perform excellently when assessed from cradle to grave for effects on water quality (eutrophication) and water and ground contamination (ecotoxicity).