



PREIS® Drainage Systems

A product for generations



PREIS® DS cast iron drainage systems – a product for generations

„Sustainability in the construction industry begins with resource-saving production of building materials! “

With focus on climate change and the associated challenges of the coming years, the choice of ecologically sustainable building products is an essential contribution to positively influencing the entire life cycle of building projects.



PREIS® DS cast iron drainage system is predominantly made from steel scrap, i.e. from recycled resources. This means a reduction in the use of primary raw materials and less waste production through reuse.

The Ferro-Preis d.o.o. foundry produces its castings using electric melting furnaces. This means that no fossil fuels are used in the production process, resulting in significantly lower CO2 emissions.

The coating of the cast iron drainage system is a key quality factor. PREIS® DS pipes and fittings are treated with water-dilutable coating systems that have a very low solvent content.

All the benefits – with no additional materials!



The material properties of cast iron meet all the requirements of modern building technology in terms of fire safety and sound insulation. This saves time and material resources in assembly.

Cast iron is not combustible (www.izeg.de). Waste water pipes do not need to be fitted with additional fire protection materials for fire safety reasons.

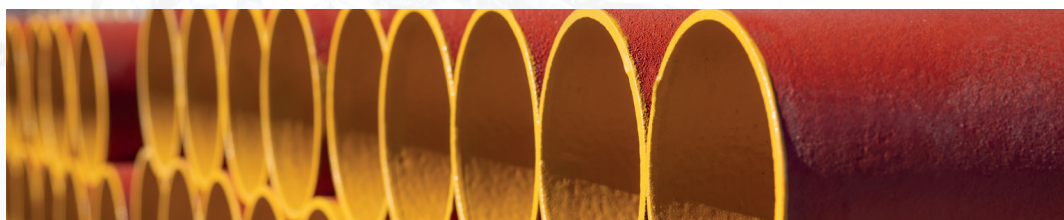
Cast iron as a material and the wall thickness of the cast iron pipes meet the sound insulation requirements of < 30 dB without additional sound insulation measures.

Simple, energy efficient assembly. No complex joining techniques or special tools are required. The drainage system can simply be assembled with an Allen key - that's it.

„Sustainability in the construction industry ends with disposal!“

Cast iron pipes are 100% recyclable! This means that after their useful life, old cast iron pipes can be used to produce new ones of the same quality. A waste product becomes a secondary raw material.

Cast iron pipes are free of harmful substances and do not have to be disposed of as hazardous waste. An established collection system for building materials means a recycling rate of almost 90% in Europe (source: <https://nachhaltiges-bauen.de/baustoffe/abwasserrohre>).



Cast iron pipes are 100% recyclable!

A dynamic circular economy in more ways than one!

The continuous reuse of materials significantly reduces the use of new raw material resources. Within the PREIS Group, all waste from the steel processing subsidiaries in Slovenia, Croatia and Bosnia-Herzegovina is reused to manufacture new products in the iron foundry as part of the Intercompany Scrap Project.



The sustainable corporate strategy (CSR-Corporate Social Responsibility) of the Ferro-Preis d.o.o. foundry is based on the 17 goals defined by the United Nations according to the 2030 Agenda (UNDP Agenda 2030). The goals encompass social, ecological and economic aspects, and aim at nothing less than to „transform our world“. Continuous improvement of energy efficiency, reduction of air pollution and CO2 emissions, as well as the general reduction of waste are just a few of the issues that are the focus of corporate development at Ferro-Preis d.o.o.

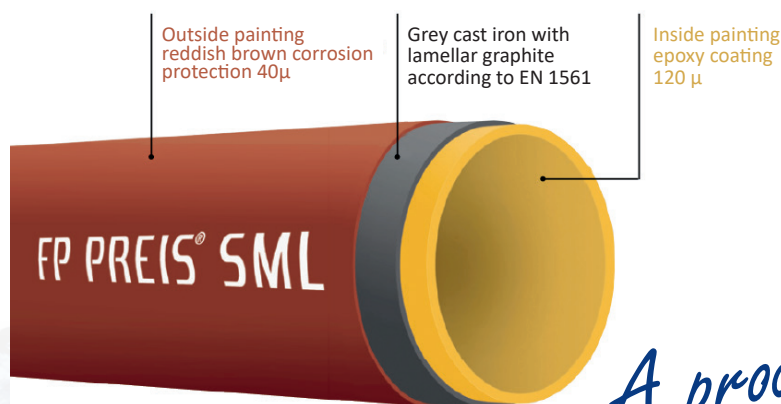


Ferro-Preis d.o.o. has been awarded the „Declaration of recycled content ISO 14021:2016“ by independent certification institute DNV Adriatic d.o.o. This certification validates the company's efforts to increase the proportion of recycled materials used and to make a positive impact on the environment and society by saving energy, conserving natural resources and reducing consumption of primary raw materials. The recycled content is defined in ISO 14021:2016.

Cast iron – a sustainable alternative product

Plastics have become an indispensable part of our daily lives, with many everyday objects that make our lives easier. However, the long life cycle of this material means that we are increasingly inundated with plastic waste. Microplastic abrasion in particular has a considerable impact on our oceans, their inhabitants and ultimately on our own health, as numerous studies have shown. We are all familiar with the images of animals trapped in plastic waste and floating islands of plastic rubbish in the sea.

Plastic products are primarily justified where there are no alternative materials. Waste water drainage systems made from cast iron are a sustainable alternative product in building installations. They meet all fire safety and sound insulation requirements and, on top of that, can be 100% recycled with no impact on quality.



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