GSI®
ceramica



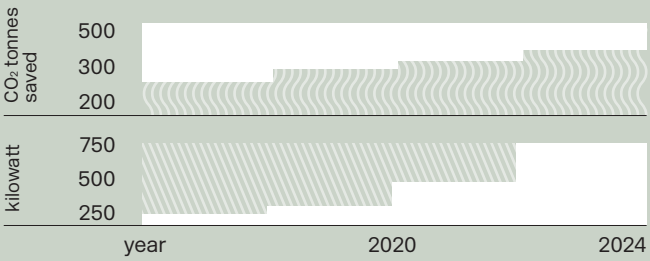
Green report

Our vision for responsible production and a sustainable future

We have embarked on a virtuous path towards environmental-ly sustainable goals

-650

tonnes of CO_2 emissions



Our photovoltaic system is a central element of our sustainability strategy. According to the latest ISPRA/ Terna data, the average emission factor of the national electricity mix is approximately 0.43 kg of CO_2 per kWh. Thanks to the production of our photovoltaic system, we achieve an annual reduction of approximately 650 tonnes of CO_2, an amount equivalent to the annual CO_2 absorption of approximately 34,000 mature trees.
By further expanding our solar power system, we are not only improving our performance, but also contributing to the global energy transition and actions to combat climate change.

100%

green energy



GSI uses power from a photovoltaic system, using exclusively renewable sources. The photovoltaic system takes full advantage of sunlight. Old lighting has been totally replaced by LED technology. All company premises are designed to have very bright work environments. Light contributes to the quality of the working environment, improving moods, reducing stress and adding to comfort, enhancing cognitive performance, visual health and safety in the workplace.

-20

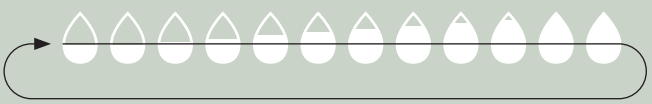
% gas usage



GSI has implemented heat recovery solutions and effected a 20% reduction in natural gas consumption, with significant energy bill savings. The future goal is to increase the recovery of heat and further reduce the energy impact of our products,

+50

% water recycling



Using innovative technologies and solutions that allow the company to collect, process and reuse the water used in production processes. Today we are able to reuse 50% of the water used. Our goal is to soon reach a figure 100%.

optimizing production, management and consumption processes

-33%

energy



GSI production process uses advanced technological systems capable of making high quality products, with less material waste, in less time.
Since 2023 we have raised the efficiency of new generation production plants, reducing energy consumption by 33%.

consumption

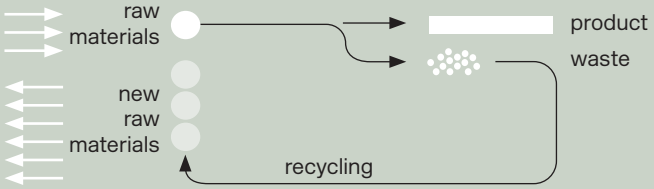
monitored in detail



All GSI production units are endowed with a system that constantly monitors water, material and energy consumption in detail, useful for assessing the environmental impact of its production.
GSI's main production goal is to produce ceramic products with the lowest possible environmental impact.

km 0

we recycle all ceramic materials



GSI recycles all ceramic materials produced directly in its sole production plant in Gallese. Technological advances have enabled us to reduce waste production along the line by 25%, improving overall production efficiency. Non-compliant products are crushed and reintegrated into the raw material, while discarded products enter a circular recovery process at local companies to be reused in other sectors. This short supply chain enables us to manage 100% of waste locally, within the surrounding area.

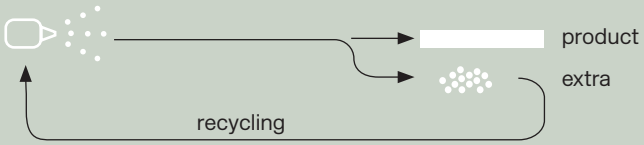
charging stations

for electric vehicles

The parking area now has 5 charging stations for electric vehicles, which will be powered by the new photovoltaic system.



100%
full Enamel Recovery



The technological innovation of our plants now allows us to fully recover any enamel not used during processing. This fluid is immediately filtered and reintroduced into the production cycle, eliminating any waste of mineral components and reducing the load on purification systems.



producing high quality sanitaryware with an ethical approach

packaging
designed to minimize environmental impact

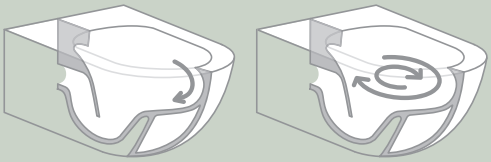


GSI also uses sustainable raw materials for packaging from recycled sources to have the lowest possible environmental impact. The new automatic palletizer eliminates natural gas consumption and reduces the amount of plastic used.

hygienic, high-performance, long-lasting

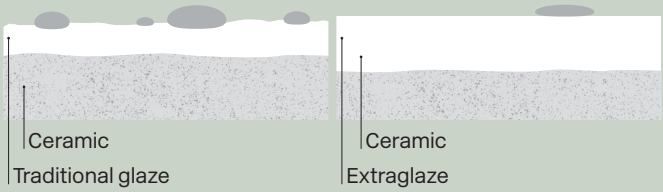
Swirlflush®

Products having the Swirlflush® flushing system incorporated have improved performance, ensuring water savings and optimal cleaning.
The absence of the traditional rim allows for optimal and simple cleaning, reducing the use of detergents.



Extraglaze® antibacterial +
99,99%

A special anti-scale enamel combined with the strength and antibacterial action of Silver and Titanium ISO 22196 certified, ensures 99.99% antibacterial protection. Products that have smoother and therefore more hygienic surfaces make normal cleaning operations easier and reduce intensive use of detergents.



communicating through low-impact technologies and media.

+digital

paper free

GSI encourages the use of digital and multimedia brochures to replace traditional paper-based products, such as catalogues and price lists, updating them in real time and reducing their impact on the environment.

GSI is committed to the “zero paper” goal. We have designed an interactive digital brochure that can easily be shared. Scan the QR code to enter the GSI world.

AR

augmented reality

Augmented Reality is integrated and available on website **www.gsiceramica.it**

This technology makes it possible to independently design your own bathroom, using an intuitive, easy to use tool that produces an immediate and realistic result.



ESG Rating

Synesgy™
The sustainability network.

ESG criteria are a set of factors used to assess the performance of a company or entity from an environmental, social and governance perspective. In the assessment of companies and financial entities, the integration of ESG criteria aims to encourage the adoption of sustainable, responsible and transparent practices.

Certificates

EPD Hub

European EPD certification provides detailed information on the environmental impact of a product throughout its life cycle, from raw materials to its disposal. EPD certification obtained in 2023 attests to GSI's commitment to reducing its environmental footprint and providing customers with the information they need to make informed choices.

Member of CISQ Federation
RINA IQNET
CERTIFIED MANAGEMENT SYSTEM
ISO 14001

ISO 14001 represents the international standard for environmental management systems. It establishes precise criteria and is based on a series of ethical principles, including a strong focus on the territory, top management involvement, and a constant drive toward continuous performance improvement.

Member of CISQ Federation
RINA IQNET
CERTIFIED MANAGEMENT SYSTEM
ISO 9001

ISO 9001 is the international standard for quality management systems. It establishes precise criteria and is based on a set of ethical principles, including strong customer orientation, the involvement of top management and constant striving for continuous improvement of processes.

Water
www.europeanwaterlabel.eu
3.38 L

The Water Label is an independent certification that rates the water efficiency of products, helping consumers to make informed, and therefore sustainable, purchasing choices.

GSI®
ceramica

GSI S.p.a.
Strada Provinciale 150, km 3,125
01035 Gallese (VT), Italia
T +39 07614911
info@gsiceramica.it
www.gsiceramica.it



Beech forest, Monte Cimino, Viterbo, Italy.

Trying out best practices to raise the quality standards of tomorrow,

water treatment and reuse, recovery of the heat used in production processes, adoption of a photovoltaic system,

recycling of materials that start up a 0 km circular process, advanced technology used to manufacture top quality sanitaryware.

GSI is facing up to the ecological transition through a real commitment and tangible objectives.