

TRAMONTINA

Sustainability | Tramontina

Transforming waste into energy

2023

“Sustainability is at the heart of Tramontina's decisions, both in terms of business ethics and the search for process improvements, as well as respect for people and communities. It is through innovations that we continue to present new products and seek solutions to inspire people's daily lives. Thus, keeping us updated and relevant in the market, being synonymous with tradition and quality in these more than 110 years of history.”

Eduardo Scomazzon

President of Tramontina's Board of Directors



Structure



+10,000
employees



+22,000
items



9
factories



22 CDs
8 RSOs
worldwide



+120
countries

Segments



**Electric
Materials**



Kitchenware



Tools



Home



Hospitality



- Factories
- Distribution Centers
- Regional Sales Offices
- Representation Office
- T store
- E-commerce



Sustainability Timeline



Reverse Logistics

Tramontina has 4 reverse logistics programs in Brazil. These include its products, a nationwide program for electronics and home appliances, compensation for packaging and tires. They are intended to encourage the reuse, recycling and environmentally sound disposal of products and their post-consumer packaging.



Packaging

Projects to reduce the amount of materials in packaging such as plastic, paper, cardboard, in addition to the search for recycled materials and of greater interest in the recycling chain, such as the elimination of styrofoam.

Before



- More than 100,000 kg of recycled plastic per year;
- Lower environmental impact;
- Circular Economy;
- Sustainable development;
- Exchange of virgin plastic for recycled plastic in packaging.

After



Before



- Elimination of styrofoam from packaging;
- More than 65 thousand liters of styrofoam were not placed on the market;
- Switch to renewable material of greater interest in the recycling chain.

After



Water and Effluents

Water is a strategic resource for Tramontina's factories, as it is used in various stages of the production processes.

Tramontina's factories have Effluent Treatment Stations (ETEs) to treat the water used in different activities, thus enabling reuse, which in some factories reaches 100%.



32% of the water consumed is reused or rainwater sourced



Waste

The Tramontina Waste Center comprises a Sorting Center and Landfills for hazardous and non-hazardous waste. Located in Carlos Barbosa (Brazil), it serves the group's companies headquartered in the municipality itself and in two other cities in the region: Garibaldi and Farroupilha (Brazil). ISO 14001 certified, the structure is dedicated to improving waste management, valuing and promoting proper disposal, as well as commenting on various circular economy projects.



95%

of the waste generated is destined for recycling, recovery operations, reuse or co-processing.



Power Generation

The factories consume more than 90% of Tramontina's total energy. The purchase of electricity from these units is carried out on the free market and managed by companies that annually provide certificates proving the origin of this energy from clean and renewable sources. In 2005, the first purchase of 100% renewable energy took place.



56%

of fuels used in 2021 came from renewable sources.



Briquettes

All the wood used in the manufacturing process is reforestation eucalyptus.

First, the wood is dried naturally and then the logs remain in drying chambers for a few days.

After the drying process, the logs are machined, creating various shapes and sizes of handles.



100%

ecological and sustainable,
without using any chemicals
in the manufacturing
process.



Briquettes

All the sawdust generated in the handle manufacturing process is collected by a modern industrial exhaust system and stored in large external silos.

Afterwards, it is sent to the briquetting machines, where it is compacted under pressure and high temperature, originating briquettes.



Low stock requirements: industrialized product available all year round. Less storage volume when compared to firewood



Comparative Briquette X Firewood

	BRIQUETTE	FIREWOOD
Heat Capacity	High, 4,635 kcal/kg	Low, 1,700 to 3,000 kcal/kg
Moisture	Low, 8%	High, 20 to 45%
Waste and soot	Low volume	High volume
Hygiene and cleanliness	Clean, no insects and no contamination	Dirty, presence of insects and contamination
Environmental license	Exempt from transportation and inspection permit, free of charge	Requires licensing and IBAMA ATPF/RET transportation permit, with payable fees
Sale	By kg • exact	By stere or m ³ • imprecise



Based on Briquette production in 2022 (11,200 tons), Tramontina kept 22,400 trees from being cut down, equal to a forest of approximately 20 ha.



TRAMONTINA

TRAMONTINA
trans
forms

*Doing right today,
to transform tomorrow*

TRAMONTINA TRANSFORMS

Production forests are transformed into sustainable products. Wood waste is transformed into energy. Rainwater is harvested and transformed into drinking water. Sunlight is transformed into clean energy. Tramontina transforms families, communities and realities. Tramontina also transforms raw materials, waste and resources. And does what's best today to transform tomorrow.