

# Environmental Behavior 2019

10/7/2019

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## President's Message

On June 15, 16 and 17, 2020, the annual External Audit of the CODICER Environmental Management System took place. The company European Quality Assurance Spain, S.L. (EQA) has audited the annual monitoring of ISO 14001 and the EMAS Regulation, validating our 2019 environmental statement and analyzing the objectives and goals set by the organization. The final result of the audits has revealed minor nonconformities that have required evidence and a corrective action plan to be clarified and understood by the auditor, regarding waste labeling, which, once corrected, should help CODICER to be more efficient on a day-to-day basis.

The CODICER Management wants to thank all those involved, in particular, for the dedication and effort given during these days to the audit process and at the same time congratulate them on the result. In the same way, CODICER Management wants to acknowledge all its staff the commitment and involvement that they demonstrate every day in maintaining the Environmental Management System as a fundamental tool for continuous improvement of the key aspects of our activity. Without that commitment and involvement, the success mentioned here would not be possible.

The latest environmental statement validated in Spanish, and the ISO 14001 and EMAS certificates in English are available on the company's website, as well as the company's environmental policy, which reflects the commitments made by the organization in search of transparency, and environmental excellence, as well as Corporate Social responsibility. Again, remember that management systems are not an end in themselves, they are a strategic means adopted by the company so that its performance can be oriented, in a structured way, towards the path of environmental excellence. So thank you all and congratulations on your success.

## Environmental Policy

The company's environmental policy is available on the website for the knowledge of our clients. The latest available version adapted to the new commitments of the organization is that of April 16, 2018

### ENVIRONMENTAL POLICY CODICER 95 S.L

CODICER 95, SL, in response to the growing need for conservation and improvement of the environment, and to the demands of a society increasingly aware of and concerned with environmental protection, has decided to carry out the manufacture of ceramic products, So as to cause the least negative impact on the general environment, as well as on what constitutes its closest environment. For this, it has implemented a Management System Based on the ISO14001: 2015 Standard in which risks and opportunities are established, as well as environmental objectives and their planning. To achieve these environmental objectives, the organization undertakes to comply with the following commitments:

- **It will adhere to compliance with current environmental legislation** and other environmental requirements signed by the organization.
- **It will identify all the environmental aspects** derived from the manufacture of ceramic pavements, focusing its action on those that it considers significant based on the impact produced.
- **It will make an effort for the more efficient use of the natural** resources and raw materials that it uses.
- **It will comply with the principle of environmental protection** in all phases of its activity, incorporating environmental criteria in what corresponds to its scope of action.
- **Identify all aspects related to the organization** that may interfere with decision-making and their expectations and needs.
- **It will establish programs** to achieve a dynamic and continuous improvement of its environmental behavior, implementing the appropriate methodology and practices to define environmental objectives and goals, and evaluate their degree of compliance.
- It will, therefore, and in accordance with the principle of Continuous Improvement, **carry out reviews and audits of the implemented Environmental Management System**, with the timeframe deemed necessary, to ensure compliance with it.
- It will **collaborate with the authorities**, clients, suppliers and with any interested person or organization in order to offer transparency in its environmental behavior and promote an awareness of environmental protection.
- It will ensure that all employees know the content of THIS ENVIRONMENTAL POLICY, as well as to detect and adequately cover their training needs in this matter.

Approved by the president  
April 16, 2018

18930517E JOSE  
MANUEL ESTEVE  
(R: B12405957)

Firmado digitalmente por 18930517E JOSE MANUEL ESTEVE (R: B12405957)  
Nombre de reconocimiento (DN):  
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serialNumber=IDCES-18930517E, givenName=JOSE  
MANUEL, sn=ESTEVE PORTOLES, cn=18930517E  
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## EMAS Register

CODICER is registered in the EMAS Register of the Valencian Community under number ES-CV-000054.

In this sense, it should be noted that CODICER is the only manufacturer of ceramic floor and wall tiles certified in Spain under this standard in the sector. If we consult the European EMAS register (<http://ec.europa.eu/environment/emas/register/>), under the activity code CNAE 23.31, there are only 16 companies in Europe, mainly Italian ceramic companies, which are the ones that bet for this quality seal in its commitment to differentiation and the added value of the product.



Country	Registration Number	Organisation name	Registration date	Next env. statement date	Number of employees	Number of sites
France	FR-000059	V & B Fliesen Gmbh	14-02-2011	19-07-2019	137	1
Germany	DE-170-00081	V&B Fliesen GmbH	17-09-2010	14-07-2022	552	1
Italy	IT-000907	Rondine S.p.a.	16-05-2008	23-02-2020	275	2
Italy	IT-000401	Panariagroup Ind. Ceramiche S.p.A.	15-12-2005	29-06-2020	900	1
Italy	IT-000039	Graniti Fiandre S.p.A.	19-12-2000	16-06-2020	530	3
Italy	IT-000206	Ceramica Casalgrande Padana S.p.A.	12-05-2004	24-07-2021	588	4
Italy	IT-000058	Italgraniti Group S.p.A.	30-05-2001	28-11-2021	155	1
Italy	IT-001502	Calò Lenoci S.r.l.	22-10-2012	22-05-2021	12	1
Italy	IT-000042	Cooperativa Ceramica d'Imola S.C.p.A.	19-12-2000	12-01-2021	1540	4
Italy	IT-001359	Coem S.p.A.	27-06-2011	19-09-2022	261	2
Italy	IT-000239	Panariagroup Industrie Ceramiche S.p.A.	30-09-2004	24-06-2022	2017	1
Italy	IT-000705	CERDOMUS S.r.l.	26-07-2007	04-07-2022	189	2
Italy	IT-000309	Panariagroup Industrie Ceramiche S.p.A.	14-04-2005	24-06-2022	950	1
Portugal	PT-000097	Gres Panaria Portugal, S.A. - Divisão Love Tiles	25-05-2010	25-05-2021	374	1
Portugal	PT-000051	Gres Panaria Portugal, S.A. - Divisão Margres	06-06-2006	06-06-2021	160	1
Spain	ES-CV-000054	CODICER 95, S.L.	24-03-2014	12-09-2021	90	1

Showing 1 to 16 of 16 entries (filtered from 3,799 total entries)



It is noteworthy that CODICER, despite the limitations of the facilities, has been the only one in the sector to achieve this certification of excellence, since it is not easy to comply with all the requirements of the standard and it is an achievement that must be presumed and put in value. Regarding the ISO 14001 certification, EQA annually make follow-up visits to the Environmental Management System to verify that the requirements necessary to maintain the certificate are met, which is renewed every three years. This June, the second follow-up was carried out, since the certification was renewed in 2018 and is valid until 2021.

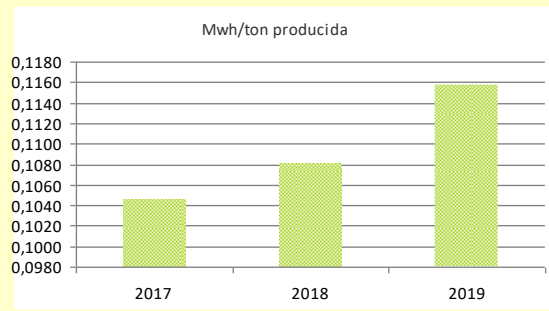


*This is an excerpt from the  
2019 validated  
Environmental Statement*

*This section shows the data  
that describes the  
environmental behavior of  
the company, that is, the  
basic indicators applicable  
to the organization.  
Consumption indicators are  
presented per ton of  
product manufactured to be  
able to compare them with  
each other and over the  
years to better assess the  
environmental behavior of  
CODICER and set the  
objectives and goals of the  
environmental monitoring  
plan for 2020.*

## Environmental Behavior 2019

**ELECTRICITY: "4.1 Electric consumption:** "The energy consumption in the facilities has remained more or less constant, it has been 0.21% less than in the previous year, however, as we have said, the production in 2019 has been almost 7% less, so the energy consumption indicator for 2019 has increased."

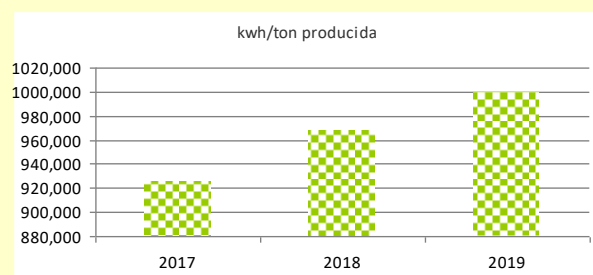


"...It is difficult to achieve large product runs in the ovens and to plan the production by the plant manager so that all consumption is profitable, the installation being less efficient than it really can be, since if it were not for this the Consumption per ton manufactured in the production process is controlled to the millimeter.

For all these reasons, the consumption of electricity per ton manufactured has been increased by 6.9%."

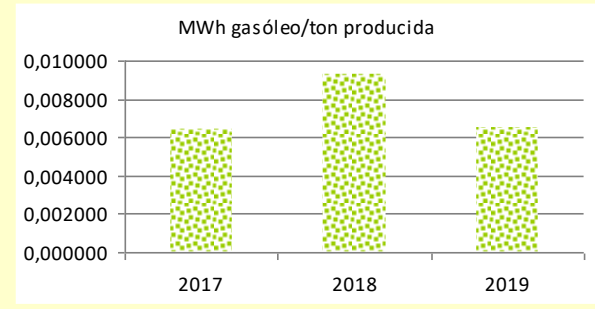
**GAS: "4.3 Gas consumption:** Natural gas consumption has increased by 3.2% per ton manufactured compared to 2018.

99% of production at the moment is from white clays, mainly porcelain, which are more refined and purified clays that give the pieces greater resistance and density, and require higher firing temperatures and longer cycles, which means that If we compare the gas consumption per ton manufactured with previous years, in which the production ratio between stoneware and porcelain was more equal, the indicator increases.

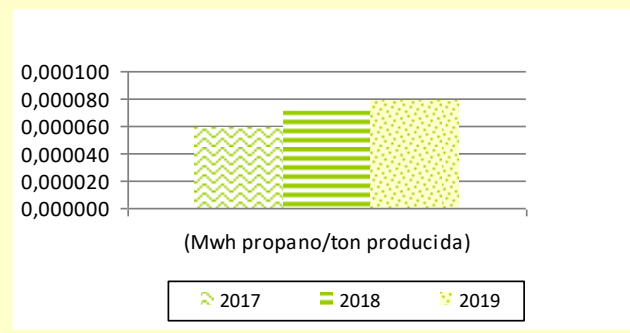




- **DIESEL:** **“4.4. Diesel consumption:** Diesel consumption has decreased by ton produced by 30.1% compared to the previous year. If we look at the absolute value of diesel consumption, 34.7% less diesel has been consumed, this is mainly due to the substitution of part of the installation's forklift trucks with electric trucks. It is the objective that we have been pursuing in recent years and that seen the results of this year has the intended effectiveness and puts us on the path to saving the resource..

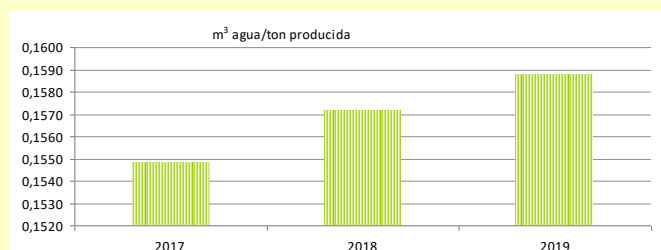


- **PROPANE :** **“4.5 Propone consumption:** “As seen in previous points, the m2 manufactured decreased by 6.8% compared to the previous year, however, the consumption of propane has increased by 3%, which makes **the consumption indicator per ton manufactured increase by 10 , 4%** compared to 2018.”

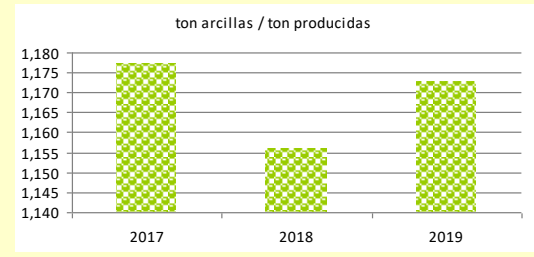


“This increase is due to increased sample preparation for shipping to stores and commercials. By continually renewing our catalog and due to the continuous expansion of CODICER's commercial networks, the request and shipment of samples has increased in recent years. Although we are talking about slight variations, we will include this indicator in the 2020 Action Plan to try to influence it.”

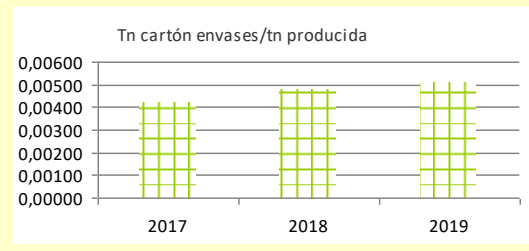
- **WATER** **“4.6. Water consumption :** **There has been an increase in the use of water consumption per ton produced by 0.8%** compared to the previous year despite having lower water consumption in this period. 5.9% less well water has been consumed, but production has also been lower, 6.8%, so the ratio of m3 consumed per tn manufactured has increased.



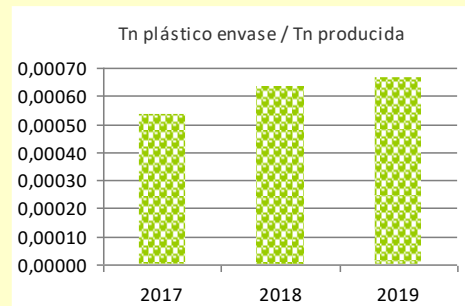
- **CLAYS:** "4.7. Clays consumption: "There has been an increase in the indicator of consumption of clays per ton manufactured of 1.3%. If we analyze clays by type, the ratio of consumption of white clay has increased by 1.4% compared to 2018 and the ratio of red clays has decreased by 8% per ton manufactured. During 2019, more white paste has been produced, with the composition changes indicated above, in addition, the new formats introduced have been of this type of clays, so that until they are 100% adapted, their production will always produce more decreases than expected."



- **CARDBOARD :** "4.81 Cardboard consumption: "There has been a 6% increase in the consumption of cardboard per ton manufactured in 2019.

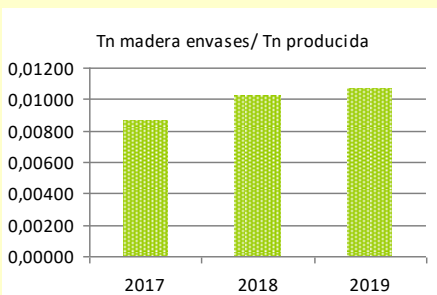


- **PLASTIC** "4.8.2. Plastic consumption : "Although the total consumption of plastic during this year has been less than in 2018, specifically 2.7% less, if we analyze the consumption per ton of product manufactured, this has suffered a slight increase compared to the previous year".



*The current model of on-demand picking sales penalizes the Organization environmentally since more containers are being consumed to send fewer tons of product.*

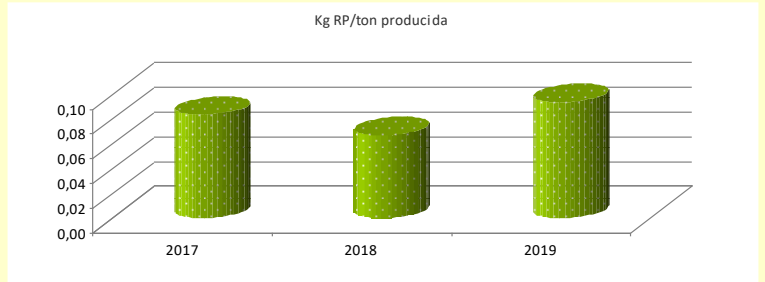
The indicator of plastic consumed per manufactured ton has increased by 4.2% in 2019. This is because apart from the product produced and packaged in 2019 there is part of the material that is put on sale that is repackaged changing the plastic cover if it has been in the storage fields for a long time to improve the image of the product when it reaches the consumer.



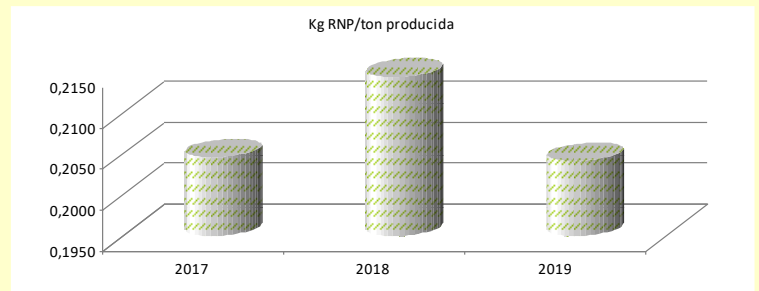
- **WOOD** "4.8.3. Wood consumption The indicator has experienced an increase of 4.24% compared to the ton of product manufactured during 2019. The problem in the increase in the consumption of pallets with respect to the ton manufactured is, as every year, in sales on picking and it is a measure that we have difficult control over.



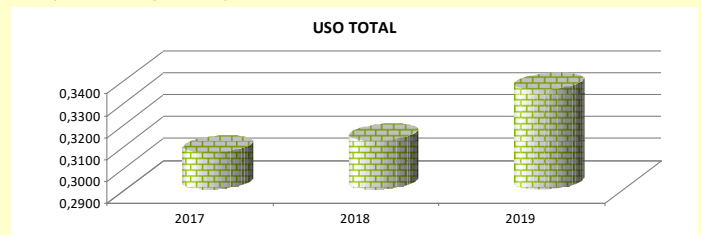
- **WASTE "4.9 Waste:** "The indicator of Hazardous Waste produced per m2 or tn manufactured has increased by 39.6 compared to the previous year. Even so, it is still below 10 tons per year and therefore CODICER is considered a small producer of Hazardous Waste, not having the legal obligation to present waste minimization plans, and although the amount generated by the environmental behavior of the organization continues to be exemplary in this regard".



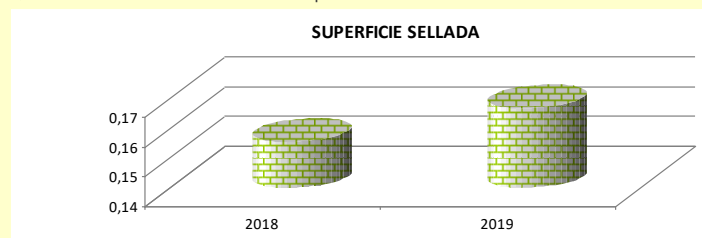
- "In 2019, the generation of non-hazardous waste per ton manufactured has decreased by 5.3%, compared to the previous year."



- **BIODIVERSITY" 4.10 Biodiversity:**
  - "Total land use: The indicator, although not considered a significant aspect, has increased by 7.2% during this period. This is due to the fact that we divide the surface by produced tn, and as we have said previously, this has decreased with respect to the previous year by 6% for the same surface".



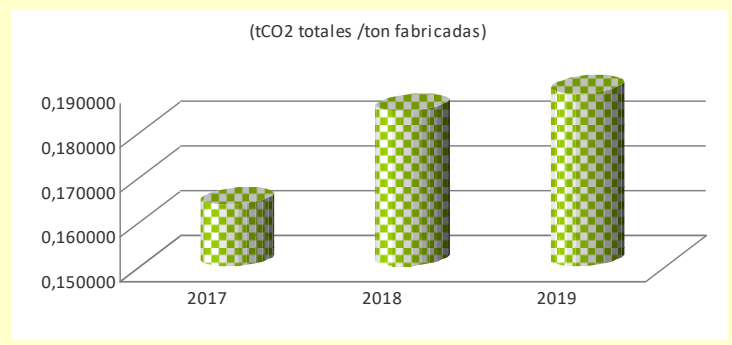
- " Total sealed surface: This indicator considers only the exterior sealed surfaces that can decrease biodiversity by having an impact, and its value has been 0.17 m2 / ton manufactured, that is, it has increased 7.2% compared to 2018."





98,695 % of CO2 emissions correspond to the direct gas emissions of the activity, the 1.38% remaining are the emissions of carburetor combustion.

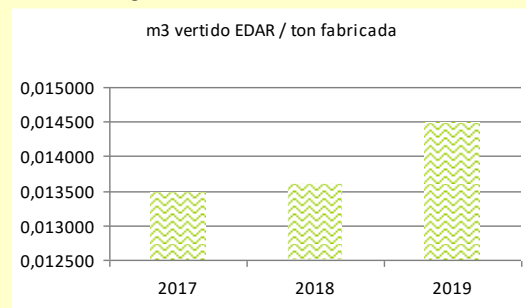
**EMISSIONS:** 4.11 Emissions to the atmosphere: "As a consequence of the monitoring of annual emissions according to Regulation (EU) 601/2012, we have precise and concrete data on greenhouse gas emissions from our company. We will use the values calculated for the annual monitoring of CO2 emissions, which include diesel from generator sets, gas, propane from pistons and carbonates of raw materials, to which we will add the diesel consumed in the trucks as an emission diffuse activity. Total CO2 emissions per ton of manufactured product have increased by 2% during 2019. Of the total CO2 tons of 2019, 11,636 tons (98%) correspond to direct emissions and are those that we have verified and delivered to the Spanish Registry of Emissions as established in the greenhouse gas regulations. The increase in the indicator of total emissions per ton is due to lower production, since if we only considered the annual tons emitted, they decreased by 4.8% during 2019."



The indirect emissions of transport are a significant indirect aspect that should be considered, since the large volume of atmospheric emissions generated by the transport and maneuver of the primary materials, as well as the transport of the product, can be very low for the medium. and the workers involved. However, the phase that has the most influence on the ambient indicators (extraction, transport of primary materials, manufacturing, product transport, installation, maintenance and elimination) is the manufacturing phase and it is necessary to focus efforts on reducing the time of ambient impacts. , is that you are within the scope of CODICER.

**WASTEWATER** 4.12 Wastewater: "The discharge of sanitary wastewater has increased by 6.2% compared to the previous year.

However considering an average consumption of sanitary water of 100-120 liters per person per day recommended by the Ministry for water balances and the 308 days worked per year, we have a consumption per year of 1078-1293.6 m2 of discharges, reason why clearly we are below the average consumption of sanitary water and we will not propose measures on this indicator as it is a rational discharge."





## Significant environmental aspects 2019

This is an excerpt from point 3 of the Declaration,

**"3.2. Identification of environmental aspects.:** The most significant environmental impacts that the activities carried out by the company may have on the environment are reflected in the following table, as well as their assessment. 20% of the environmental aspects with the highest score are chosen as significant. The environmental aspects that were significant for the year 2019 are detailed below."

EXERCISE	ENVIRONMENTAL ASPECT	ENVIRONMENTAL VECTOR / ENVIRONMENTAL IMPACT	N Δ E (1)	D I (2)	Punctuation					Signo. (SI/NO)
					Direct			Corrected		
					C 1	C 2	C 3	Factor correct.	Total	
Manufacture of glazed stoneware flooring	Diesel consumption of trucks	Consumption limited resource	N	D	10	10	25	1	45	SI
	Cardboard consumption (packaging)		N	D	10	25	10	1	45	SI
	Plastic consumption (HPDE + strapping) (packaging)		N	D	10	25	10	1	45	SI
	Consumption of pallets (containers)		N	D	10	25	10	1	45	SI
	Generation raw material	Non-hazardous waste / soil water contamination	N	D	25	1	25	1	51	SI
	Generation cooked ceramic pieces	Non-hazardous waste / land use change / Visual impact	N	D	25	1	25	1	51	SI
Enamel grinding	Diesel consumption of trucks	Resource consumption / limited natural resource use	N	D	10	10	25	1	45	SI
Samples	Diesel emissions from trucks	Atmospheric pollution	N	D	10	10	25	1	45	SI
	Plastic consumption	Resource consumption / Limited natural resource use	N	D	10	25	10	1	45	SI

As significant indirect environmental aspects we have:

EXERCISE	ENVIRONMENTAL ASPECT	ENVIRONMENTAL VECTOR / ENVIRONMENTAL IMPACT	N Δ E (1)	D I (2)	Punctuation					Signo. (SI/NO)
					Direct			Corrected		
					C 1	C 2	C 3	Factor correct.	Total	
Expedition truck load	Product transport (combustion emissions)	Atmospheric pollution	N	I	10	10	25	1	45	SI

## Objectives and goals 2019

**"5. OBJECTIVES AND GOALS.** "For the year 2019, CODICER 95, S.L., set a series of objectives and goals based on some of the significant environmental aspects, identified in relation to the provision of the service. The fulfillment of the objectives proposed in 2019 is detailed below:

OBJECTIVE	GOAL	ACTIONS
1. Reduce air pollution	1.1. Decrease in diffuse emissions from diesel combustion.	Request a budget equivalent to the renting of the substitution of electric interior trucks to eliminate engine noise and to improve the factory environment and work environment.
		Avoid half loads. Optimize loads to avoid as many km as possible without load or when empty, since these routes only generate fuel consumption and greater generation of emissions.
2 Decrease consumption of natural resources	2.1. Reduce the use of diesel fuel by 2% tn manufactured.	Replace diesel trucks with others with more energy efficiency, there are a wide variety of manufacturers and consumption varies substantially between them.Consult the renting and assess the fuel efficiency by manufacturer.
		Choice of vehicle (the closest to the place and the one with the least fuel consumption)
		Raise awareness of good truck driving, drive slowly and smoothly, without accelerations that trigger consumption.
3 Decrease consumption of natural resources	3.1. Reduce plastic consumption by 1% per ton manufactured.	Reuse shrinkage of plastic sleeves from the baler for sample packaging.
		Use lighter weight HPDE sleeves to reduce the weight of plastic per container.
4 Decreased consumption of natural resources	4.1. Decrease wood consumption by 1% per ton manufactured.	Optimize the design of grouping containers to increase the weight of product per container.
		Group the different orders on demand for the same customer on pallets, even if they are different models for rational packaging.
5.Decrease consumption of natural resources	5.1. Reduce propane consumption by 2%.	Maintain good maintenance of the propane gun to ensure that fuel burning is adequate.
		Do not prepare the samples without having previously confirmed the order to avoid unnecessary costs of plastic and propane.
6. Decrease in energy	6.1. Decrease electricity consumption by 1%.	Plan production to minimize the number of line changes, increasing efficiency.
		Commercial awareness of sales planning in coordination with production
		Sectorize electricity consumption and see the areas where it is most consumed to propose measures in these areas.
7. Reduce the generation of Non-hazardous Waste.	7.1. Reduce the generation of cooked pieces by 2%.	Try to adapt the machinery so that less waste occurs in the handling of large format parts
		Buy quality MP to improve the technical performance of porcelain

OBJECTIVE	GOAL	ACTIONS
8. Decrease the generation of Non-hazardous Waste.	8.1. Reduce the generation of plastic by 1% compared to manufactured tn.	Substitution of the polyethelene covers for others more resistant to rain, sun, etc. to avoid changes in packaging before the product is dispatched from the material stored in the outer field.
9. Decrease the generation of Non-hazardous Waste	.9.1. Reduce the generation of cardboard by 0.5% with respect to tn manufactured	Avoid bad box designs that give rise to claims at destination and force us to change the material already packaged
		Store the highest quality material inside the buildings, instead of outside, to avoid having to replace the boxes due to their deterioration.



**“Goal 1.1:** Decrease in diffuse emissions from diesel combustion. Based on the above, we can conclude that the indicator of diesel consumption per ton manufactured has decreased by 29.94% compared to 2018”.

“If we consider this consumption for the diffuse emissions of the trucks, we have that the diffuse emissions of trucks per ton manufactured have decreased by 30.96% compared to 2018, which is why it is considered an objective achieved.”

**“Goal 2.1:** “Reduce the use of diesel fuel by 1% tn manufactured: This indicator has been analyzed in the previous point but it has been achieved, since diesel has been reduced by 29% per ton, exceeding the intended 1%.”

**“Goal 3.1.** Reduce the use of well water by 1% tn manufactured: The global indicator of m3 water per ton produced has increased by 1% compared to 2018, therefore, it has not been possible to decrease the intended%.”

**“Goal 4.1.** Decrease propane consumption by 1%:All this has meant that the global indicator of Mwh of propane per ton produced has increased by 10.63% compared to 2018, so the intended objective has not been achieved. We will maintain this indicator for the 2020 Management Program.”

**“Goal 5.1.** Decrease electricity consumption by 0.5%. Although the total consumption of Mw during 2019 has been 0.21% lower, so has production by almost 6%, so the indicator of electrical energy per ton manufactured has increased by 7.15% compared to 2018 mainly due to the higher energy demand of the equipment (a new press, packaging machinery, etc.). The planned objective has not been achieved but it is not postponed since we consider that the increase is mainly due to the higher energy demand in 2019”

**Goal 7.1.** Decrease the generation of wood by 1% with respect to tn manufactured. The goal has not been achieved and is maintained for 2020 but in a smaller percentage to be more viable.

**Goal 8.1.** Reduce the generation of plastic by 1% compared to manufactured tn. We will maintain the goal of reducing plastic film residue by 2020.

**Goal 9.1.** Reduce the generation of cardboard by 0.5% with respect to tn manufactured. The annual indicator of cardboard generation per ton manufactured has been reduced by 21.2%. Objective accomplished.

Fecha y Firma del auditor verificador  
Lola Sebastián Rodríguez. 04/06/2021



**DECLARACION MEDIOAMBIENTAL**  
**VALIDADA POR EUROPEAN**  
**QUALITY ASSURANCE SPAIN**  
DE ACUERDO A LOS REGLAMENTOS:  
**Reglamento (CE) 1221/2009**  
**Reglamento (UE) 2017/1505 y**  
**Reglamento (UE) 2018/2026**  
CON FECHA: 04/06/2021.  
Nº Verificador Nacional: ES-V-0013  
Firma y Sello:  
Gustavo Horn  
Consejero Delegado