



# ENVIRONMENT

Type of Product: **GRES**  
Efficient use of resources



## ENVIRONMENTAL DATA SHEET

**Manufacturer:**  
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We care about our planet, taking into consideration the current environmental problems. We operate under a sustainability strategy, which guarantees a balance between economic growths, reduction of environmental impact and social welfare.

Our ceramic tiles have superior resistance conditions to the established standards.

Product	Flexural strength Vs. Norm ISO 10545 Specifications ISO 13006	Impact Resistance Vs. Norm ISO 10545 Specification ISO 13006	Abrasion Resistance Vs. Norm ISO 10545 Specification ISO 13006	Acids and Alkaline Resistance Vs. Norm Norm ISO 10545 Specification ISO 13006
Quarry Tile	120%	372%	181%	Resistant UA ULA UHA
Quarry	188%	143%	178%	
Industrial Quarry	328%	159%	172%	

Durable materials are more environmentally attractive, since by not having to be replaced frequently they allow the reduction of operating costs and environmental impact.

Variation in the consumption of non-renewable resources for the manufacture of ceramics 2016 vs 2014

Product	Raw Material Variation
Quarry Tile	-3%

We have continuously improve our processes of manufacture, **thus reducing the use of non renewable resources.**

Our products can be recycled or disposed as inert construction waste, allowing to reduce the environmental impact.



Information published in January 2018

**SUSTAINABLE PRODUCTION**

In our constant fight against climate change, we continue to innovate and make our manufacturing processes more environmentally sustainable, to provide your projects with ceramic tiles with low embedded energy and with a reduced water footprint.

Energy Savings in the Ceramic Manufacturing process 2016 vs 2014

25% Waters consumption Savings



Our manufacturing process reuses 43% of recovered water and do not generate liquid waste. 100% of the non-used finished product is recycled and reused again.

In the manufacture of our quarry tiles we consume 0.18 liters of drinking water and 3,28 MJ of thermal energy per kilogram.



**HEAT ISLAND EFFECT**

The exterior use of our ceramic tiles can help reduce the increase in the air temperature and its negative impact on microclimates, thanks to the high solar reflectance properties the ceramic has.



**SOCIAL RESPONSIBILITY**

We design and build well-being for society, renewing the lives of people through inspirational spaces.



**Education**



La Cayena

**Habitability**



We focus in improving life conditions for vulnerable people in the communities where we operate

Allies:



**Shared Valued Initiatives + employment inclusion and Economic strengthening**





Product	Heat transfer coefficient (W/(m <sup>2</sup> K))	SRI	Source
Traditional Salmon	5(low wind speed)	23	Informe N° C162921 ITC
	12(media wind speed)	27	
	30(high wind speed)	29	
Traditional Red	5(Low wind speed)	14	Informe N° C162921 ITC
	12(media wind speed)	17	
	30(high wind speed)	20	
Traditional Sahara	5(Low wind speed)	29	Informe N° C162921 ITC
	12(media wind speed)	32	
	30(high wind speed)	34	

*\*Heat transfer Coefficient (SRI)*