

MUTINA

Mutina supports the production of socially and environment through many of its products

Initiatives include:

- Reuse and recycling of pre and post-consumer waste materials
- Waste management systems employed
- Use of recycled packaging materials which are fully recyclable
- Continual research and development of sustainable techniques

MUTINA PRODUCT INFORMATION*

Product	Company with Eco Technology	Indoor Air Quality	Recycled Content	Regional Material	Recyclable Packaging	Waste Management	Heat Island Effect	Energy Performance	Documents	Certifications
Phenomenon	-	-	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	-	-
Dechirer	Yes	No VOCs	25% Dechirer 40% Glass Mosiacs	-	- Recyclable	10%Recycled 90%Reuse	-	-	<u>Eco</u>	EN ISO 14021:2002 LEED
Dechirer - LaSuite	Yes	No VOCs	25% Dechirer La Suite	-	-	10%Recycled	-	-	<u>Eco</u>	EN ISO 14021:2002 LEED
Azulej	-	-	8.6%Bianco 15.8%Grigio 15.8%Nero	-	-	-	-	-	<u>Eco</u>	-
Tierras - Industrial	-	-	25%	-	-	-	-	-	<u>Eco</u>	-
Tierras - Artisinal	-	-	25%	-	-	-	-	-	<u>Eco</u>	-



REX

Rex has a regime of eco-sustainability, attempting to satisfy the needs of customers and to create value for shareholders, employees and the territory, in the understanding of the importance of observing the ethical principles and rules of conduct expressed in the code of ethics. Rex aims to be at the cutting edge of technical and aesthetic innovation in ceramics, by studying the materials and production methods that will enable us to always be a reference point for customers, designers and competitors.

Initiatives include:

- Continuously improve the environmental performance of products and processes
- Researching, developing and using the most sustainable technologies
- Continuously aiming and achieving reduction of CO2 emissions
- Recycling and reuse of waste 140.41% (own and others through pre and post consumer recycling and reusing)
- Recycled water percentage 100%
- Self generated energy/use 68%
- Multi-million dollar investments for environmental management
- Using recycled packaging
- Initiatives to encourage recycling, sustainable productions and practices with others
- 41% use of electrical vehicles supported sustainably
- Corporate Social Responsibility activity to support families
- Training projects for personal and professional development to employers

Rex was the first in its sector to attain of ISO 50001



REX PRODUCT INFORMATION*

Product	Company with Eco Technology	Indoor Air Quality	Recycled Content	Regional Material	Recyclable Packaging	Waste Management	Heat Island Effect	Energy Performance	Documents	Certifications
La Roche	Yes	1 mg/kg VOC	-	-	Yes	Yes	-	-	-	GreenStar
Link	Yes	1 mg/kg VOC	-	-	Yes	Yes	SRI > 29	1-1.3 W/mK	<u>LEED</u>	GreenStar LEED
Horn	Yes	1 mg/kg VOC	1%	-	Yes	Yes	SRI > 29	1-1.3 W/mK	<u>LEED</u>	GreenStar LEED
Unique	Yes	1 mg/kg VOC	Noir 29% Other 9-12%	-	Yes	Yes	SRI > 29	1-1.3 W/mK	<u>LEED</u>	GreenStar LEED
FloorTech	Yes	0 mg/kg VOC	1.0-4.0 8.6% 5.0 15.2% 6.0-8.0 15.8% 9.0 18%	49%	Yes	Yes	SRI > 29	1-1.3 W/mK	<u>LEED</u>	GreenStar LEED
Matouche	Yes	0 mg/kg VOC	Tabac 35% Carbon 35% Ivoire 7%	-	Yes	Yes	SRI > 29	1-1.3 W/mK	<u>LEED</u>	GreenStar LEED
I Marmi di Rex	Yes	0 mg/kg VOC	12%	-	Yes	Yes	SRI > 29	1-1.3 W/mK	<u>LEED</u>	GreenStar LEED
I Bianchi di Rex	Yes	0 mg/kg VOC	20%	49%	Yes	Yes	SRI > 29	1-1.3 W/mK	<u>LEED</u>	GreenStar LEED
Gold	Yes	0 mg/kg VOC	-	-	Yes	Yes	SRI > 29	1-1.3 W/mK	-	GreenStar
Terra	Yes	0 mg/kg VOC	7-12%	-	Yes	Yes	SRI > 29	1-1.3 W/mK	<u>Eco LEED</u>	GreenStar
Vision	Yes	0 mg/kg VOC	-	-	Yes	Yes	-	-	-	GreenStar



REFIN

"In the Environment for the Environment"

The constant search into the new opportunities technology creates, gives us the chance to make industrial production more compatible with the environment that surrounds us: this is our Green philosophy. Every day, Refin strives towards the development of products which have a low environmental impact, able to create efficient sustainable building projects.

Initiatives include:

- A waste management system – reusing and recycling of waste generated in production
- Using pre and post consumer recycled material
- Low emitting materials Negligible VOC

In 2009 Refin was awarded the *“Premio all’Innovazione Amica dell’Ambiente”* sponsored by Legambiente.

REFIN PRODUCT INFORMATION*

Product	Company with Eco Technology	Indoor Air Quality	Recycled Content	Regional Material	Recyclable Packaging	Waste Management	Heat Island Effect	Energy Performance	Documents	Certifications
Selection	Yes	Negligible VOC	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	<u>Eco</u>	Eco-Label
Industry	Yes	Negligible VOC	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	<u>Eco</u>	Eco-Label
Graffiti	Yes	Negligible VOC	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	<u>Eco</u>	Eco-Label
Artwork	Yes	Negligible VOC	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	<u>Eco</u>	Eco-Label LEED
District Garage	Yes	Negligible VOC	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	<u>Eco</u>	Eco-Label
District Track	Yes	Negligible VOC	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	<u>Eco</u>	Eco-Label
Teatro	Yes	Negligible VOC	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	<u>Eco</u>	Eco-Label
Barrique	Yes	Negligible VOC	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	<u>Eco</u>	Eco-Label



DESIGN TALE STUDIO

"In the Environment for the Environment"

The constant search into the new opportunities technology creates, gives us the chance to make industrial production more compatible with the environment that surrounds us: this is our Green philosophy. Every day, Design Tale Studio strives towards the development of products which have a low environmental impact, able to create efficient sustainable building projects.

Initiatives include:

- A waste management system – reusing and recycling of waste generated in production
- Using pre and post consumer recycled material
- Low emitting materials Negligible VOC

In 2009 Design Tale Studio was awarded the “Premio all’Innovazione Amica dell’Ambiente” sponsored by Legambiente.

DESIGN TALE STUDIO PRODUCT INFORMATION*

Product	Company with Eco Technology	Indoor Air Quality	Recycled Content	Regional Material	Recyclable Packaging	Waste Management	Heat Island Effect	Energy Performance	Documents	Certifications
Beside	Yes	Negligible VOC	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	-	Eco-Label
Terraviva	Yes	Negligible VOC	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	-	Eco-Label
Frame	Yes	Negligible VOC	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	-	Eco-Label
Filo	Yes	Negligible VOC	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	-	Eco-Label
Fossil	Yes	Negligible VOC	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	-	Eco-Label
Pareti d'Autore	Yes	Negligible VOC	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	-	Eco-Label



SALONI

Sustainability and avant-gardism. These are the two key issues that Saloni bears in mind in the development of new products. Saloni has set its sights on researching, designing, developing, manufacturing and promoting new ranges of tiles where priority is given to CSR practices, based on an environmental and social commitment.

Initiatives include:

- Building system which are sustainable and support comfort and quality
- Continual reduction of energy usage
- Minimal pollutants in production and products
- Minimal waste and easy waste management
- Business Plan for the Minimization of Containers and Container waste

Saloni has a Self-Declared Environmental Claim validated by Institute for Ceramic Technology and verified by Bureau Veritas and meeting requirements of UNE-EN ISO14021 and Integrated Environmental Authorization by virtue of Act 16/2000

SALONI PRODUCT INFORMATION*

Product	Company with Eco Technology	Indoor Air Quality	Recycled Content	Regional Material	Recyclable Packaging	Waste Management	Heat Island Effect	Energy Performance	Documents	Certifications
Arquitect	Yes	-	-	-	-	-	-	-	Eco	-
Earth	Yes	-	24%	-	-	-	-	-	Eco	-



FIORANESE

Research and the application of innovative tools and technological processes is the expression of the business strategy implemented by Ceramica Fioranese based on the principles of social responsibility and environmental sustainability.

Safeguarding and respecting the environment are among the values we are best known for.

Right from its origins, the Fioranese spirit has developed and evolved, allowing us today to create eco-compatible ceramic tiles that remain beautiful and practical over time, and are also respectful of the environment we live in, aware as we are of the need to help prevent waste and environmental damage with a view to sustainable development.

Initiatives include:

- Research and supporting developments in minimising energy usage
- Production optimisation and waste reduction
- Minimising pollution

Fioranese is a member of U.S Green Building Council, all porcelain stoneware is produced in our Italian factories, and has ISO 14001:2004 and EMAS (Eco-Management and Audit Scheme) certification, the most selective environmental certification regarding processes at European level. For a guarantee of Italian-made quality.

FIORANESE PRODUCT INFORMATION*

Product	Company with Eco Technology	Indoor Air Quality	Recycled Content	Regional Material	Recyclable Packaging	Waste Management	Heat Island Effect	Energy Performance	Documents	Certifications
Metalbax	Yes	-	Yes <40%	-	-	Yes, Quantity unspecified	-	-	Eco	EcoGres
Legno Cemento	Yes	-	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	Eco	-
Sweet Revolution	Yes	-	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	Eco	-
Urban Avenue	Yes	-	Yes, Quantity Unspecified	-	-	Yes, Quantity Unspecified	-	-	Eco	EcoGres



VIVA

For Viva environmental protection is a top priority, Viva has been a leading group with the aim and pursued implementation of low impact production processes.

Initiatives include:

- Complete wastewater recycling with closed water cycle
- 100% recycling of processing waste and sludge
- 100% own renewable energy production through cogeneration plant with excess returned to grid
- Life cycle assessments through LCA
- Fully recyclable packaging materials

Member of Green Building Council Italia and U.S Green Building Council

VIVA PRODUCT INFORMATION*

Product	Company with Eco Technology	Indoor Air Quality	Recycled Content	Regional Material	Recyclable Packaging	Waste Management	Heat Island Effect	Energy Performance	Documents	Certifications
Number 21	Yes	0 mg/kg VOC	7.5% Pre-Consumer	-	Yes with ability for post-Consumer recycling	100%	SRI > 29	1-1.3 W/mK	<u>LEED</u>	LEED
Casaforma	Yes	0 mg/kg VOC	7.5% Pre-Consumer	-	Yes with ability for post-Consumer recycling	100%	SRI > 29	1-1.3 W/mK	<u>LEED</u>	LEED
Statale 9	Yes	0 mg/kg VOC	7.5% Pre-Consumer	-	Yes with ability for post-Consumer recycling	100%	SRI > 29	1-1.3 W/mK	<u>LEED</u>	LEED
Statale 9- Legeni	Yes	0 mg/kg VOC	7.5% Pre-Consumer	-	Yes with ability for post-Consumer recycling	100%	SRI > 29	1-1.3 W/mK	<u>LEED</u>	LEED
Volte99	Yes	0 mg/kg VOC	7.5% Pre-Consumer	-	Yes with ability for post-Consumer recycling	100%	SRI > 29	1-1.3 W/mK	<u>LEED</u>	LEED



TARGET

Initiatives include:

- Building and producing in eco-friendly buildings
- 100% waste reuse and recycling
- Waste management
- Elimination of harmful emissions
- Computer management for precision
- Regional raw material sourcing through environment
- Continual research and development of sustainable techniques

Certified EMAS and ISO 14001



TARGET PRODUCT INFORMATION*

Product	Company with Eco Technology	Indoor Air Quality	Recycled Content	Regional Material	Recyclable Packaging	Waste Management	Heat Island Effect	Energy Performance	Documents	Certifications
Damask	Yes	Low VOCs, Quantity Unspecified	Yes, Quantity Unspecified	Yes, Quantity Unspecified	-	Yes	-	-	-	-
Siena	Yes	Low VOCs, Quantity Unspecified	Yes, Quantity Unspecified	Yes, Quantity Unspecified	-	Yes	-	-	-	-
Tractus	Yes	Low VOCs, Quantity Unspecified	Yes, Quantity Unspecified	Yes, Quantity Unspecified	-	Yes	-	-	-	-
Urban Spirit	Yes	Low VOCs, Quantity Unspecified	Yes, Quantity Unspecified	Yes, Quantity Unspecified	-	Yes	-	-	-	-
BonTon	Yes	Low VOCs, Quantity Unspecified	Yes, Quantity Unspecified	Yes, Quantity Unspecified	-	Yes	-	-	-	-
Liquid Art	Yes	Low VOCs, Quantity Unspecified	Yes, Quantity Unspecified	Yes, Quantity Unspecified	-	Yes	-	-	-	-
Mixed	Yes	Low VOCs, Quantity Unspecified	Yes, Quantity Unspecified	Yes, Quantity Unspecified	-	Yes	-	-	-	-
Vibration	Yes	Low VOCs, Quantity Unspecified	Yes, Quantity Unspecified	Yes, Quantity Unspecified	-	Yes	-	-	-	-
Cotto	Yes	Low VOCs, Quantity Unspecified	Yes, Quantity Unspecified	Yes, Quantity Unspecified	-	Yes	-	-	-	-
Brush	Yes	Low VOCs, Quantity Unspecified	Yes, Quantity Unspecified	Yes, Quantity Unspecified	-	Yes	-	-	-	-
Blur	Yes	Low VOCs, Quantity Unspecified	Yes, Quantity Unspecified	Yes, Quantity Unspecified	-	Yes	-	-	-	-



GIGACER

Respect for the environment + safety in the factory and on site. Gigacer is committed to the safety of its workers and the environment and this can be seen in the choices it makes: its packaging uses less cardboard and no adhesives, emissions are a lot lower than those currently allowed by law, attention to the working environment is high and the slabs are bevelled and packed horizontally on pallets to ensure safety.

Initiatives include:

- Insuring the safety and comfort of staff through healthy, ergonomic buildings and highly computerised production line
- Data collection revealing no physical or acoustic disturbance to surrounding area
- Minimal and recyclable packaging used (10%> of traditional packaging)

Gigacer is situated in and supports San Rocco "2008 Mediterranean eco-district" and meets and had relevant environmental certifications including ISO14001:2004 + ISO 9001

GIGACER PRODUCT INFORMATION*

Product	Company with Eco Technology	Indoor Air Quality	Recycled Content	Regional Material	Recyclable Packaging	Waste Management	Heat Island Effect	Energy Performance	Documents	Certifications
Krea	Yes	-	-	-	-	-	-	-	-	-
Concrete	Yes	-	-	-	-	-	-	-	-	EN 14411:2012
Up	Yes	-	-	-	-	-	-	-	-	-
Made	Yes	-	-	-	-	-	-	-	-	EN 14411:2012
Stone	Yes	-	-	-	-	-	-	-	-	EN 14411:2012



FONDOVALLE

Ceramica Fondovalle sees this vision of the future as synonymous with social commitment and responsibility where technological innovation and development are indissolubly linked with respect for the environment and the ecosystem.

This is why the company introduced concrete initiatives in its production processes as far back as 2002, through projects promoting sustainable production, reduction of polluting emissions and recovery of wastes from the production process, all kept under control with annual inspections by the European Union's LIFE environmental program.

Initiatives include:

- Continual optimisation of its productive processes to minimising energy usage and maximising efficiency of production plant
- Investment and confidence in country's people, ideas and history supporting local research, development, technology, design, control and safety. Evidence in "Made in Italy"
- Continual reduction and trendsetting of polluting emissions
- Production waste recovery and reuse

Fondovalle is a member of the European Union's LIFE environmental program.

FONDOVALLE PRODUCT INFORMATION*

Product	Company with Eco Technology	Indoor Air Quality	Recycled Content	Regional Material	Recyclable Packaging	Waste Management	Heat Island Effect	Energy Performance	Documents	Certifications
	Artist Studio	Yes	-	--	-	-	-	-	-	-



APAVISA

Apavisa porcelanico is an integrated company concerned for the environment, which is why we have compromised in respecting it from the beginning. As a result we have developed all the necessary techniques to make certain that none of the elements used during the production process are pollutant.

For all elements used in production which have no ecological substitute we have a system to canalise the remaining waste in all our installations and we submit it to a cleaning and recycling process for reuse in a future production process.

Initiatives include:

- Under floor heating and cooling system for 20-25% and 47% energy reductions respectively.
- Minimising and regulating noise pollution 15-20% with acoustic soundproofing
- Production waste recovery and reuse
- Continual research and development of sustainable techniques

APAVISA PRODUCT INFORMATION

Product	Company with Eco Technology	Indoor Air Quality	Recycled Content	Regional Material	Recyclable Packaging	Waste Management	Heat Island Effect	Energy Performance	Documents	Certifications
Metal 2.0	Yes	-	50%	-	-	-	-	-	-	-
Hydraulic	Yes	-	51%	-	-	-	-	-	-	-
Terrazzo	Yes	-	50%	-	-	-	-	-	-	-
Regeneration	Yes	-	50%	-	-	-	-	-	-	-



RENAZA

A small Australian company, the Wooden tiles are all produced locally.

Initiatives include:

- 100% recycled hardwood materials
- Reduction in energy for transport through local production

RENAZA PRODUCT INFORMATION*

Product	Company with Eco Technology	Indoor Air Quality	Recycled Content	Regional Material	Recyclable Packaging	Waste Management	Heat Island Effect	Energy Performance	Documents	Certifications
Rustic	Yes	-	Wood 100%	-	-	-	-	-	-	-
Sylvia	Yes	-	Wood 100%	-	-	-	-	-	-	-



MARAZZI

Quality at Marazzi means quality of product, process and environmental sustainability, priorities that have enabled the firm to certify its systems and products. For Marazzi, loving ceramics has always meant respecting the environment, in the sense of the human and natural landscape.

Initiatives include:

- Closed cycle process
- System for the collection and reuse of reject output
- Collection and reuse of raw materials it contains and generated heat generated in a number of phases
- Limiting consumption of natural resources and environmental impact
- Restoration of quarries' landscape and vegetation in line with environmental directives
- Controlled waste management
- Optimisation of energy consumption
- Recycling of industrial wastewater
- Occupational Health and Safety levels for staff
- Educational and personal growth staff initiatives

Marazzi is a member of Green Building Council Italia, obtained Eco label European Union environmental quality mark in 2004, and awarded ISO 9001 (1994) and ISO 14001.

MARAZZI PRODUCT INFORMATION*

Product	Company with Eco Technology	Indoor Air Quality	Recycled Content	Regional Material	Recyclable Packaging	Waste Management	Heat Island Effect	Energy Performance	Documents	Certifications
Triennale	Yes	-	>20%	-	-	-	-	-	<u>LEED</u> Eco	EN14411:2012 Eco-Label (Sistem A+N)
Soho	Yes	-	>10%	-	-	-	-	-	<u>LEED</u> Eco	EN14411:2012 Eco-Label
ConCreta	Yes	-	>15%	-	-	-	-	-	<u>LEED</u> Eco	EN14411:2012 Eco-Label
Evolution Stone	Yes	-	>10%	-	-	-	-	-	<u>LEED</u> Eco	EN14411:2012 Eco-Label
Monolith	Yes	-	>10%	-	-	-	-	-	<u>LEED</u> Eco	EN14411:2012 Eco-Label
Treverk	Yes	-	>20%	-	-	-	-	-	<u>LEED</u> Eco	EN14411:2012 Eco-Label



Urban Edge Ceramics

DISCLAIMER

All claims as per manufacturers' provided information. Urban Edge Ceramics accepts no responsibility for claims and certifications.

No information means it has not been tested, specified or supplied.

