

LEA
CERAMICHE

VIVALDI





vivaldi

Bring the majesty of wood, the elegance of nature and the color of the seasons to any environment with the new Vivaldi tile series.

Embrace the beautiful appearance of antique wood flooring while enjoying the durability that only comes with genuine porcelain tiles.

Marvel over the aged-wood appearance of these tiles which includes material veining and irregularities in pattern that mimic genuine antique wood floors.

The authentic aged-wood finish is the result of a unique production technique that **combines multiple wooden graphics with detailed digital printing to create a textured surface that looks and feels like real aged wood.** Aesthetically appealing to the eyes and the toes, these tiles will immerse you in comfort and memories of times past.

SPRING
SUMMER

FALL
WINTER



**SPRING
WEATHERED
AMBER
OAK**

The naturalness
of the wood for
environments rich
with memories.



**SUMMER
POLISHED
ANTIQUÉ
OAK**

Warm shades
for light, elegant
aesthetics.



**FALL
WEATHERED
ANTIQUÉ
ELM**

Earthy shades
reminiscent
of natural
landscapes.



**WINTER
GREY
ANTIQUÉ
OAK**

Refined ash shades
for shabby-chic
atmospheres.

The 4 Vivaldi shades:







living

winter
6x24"





winter
6x24"





dining room

spring
6x24"



spring
6x24"







bedroom

summer

6x24"



summer
6x24"





public spaces

fall
6x24"









fall
6x24"

VIVALDI

sizes and colors

spring
6x24"



LG1VV30

summer
6x24"



LG1VV20

fall
6x24"



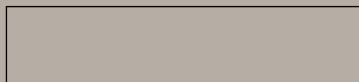
LG1VV00

winter
6x24"



LG1VV10

bullnose
3x24"



LGBVV30 spring
LGBVV20 summer
LGBVV00 fall
LGBVV10 winter

VIVALDI
GLAZED (GL)
PORCELAIN TILES (CLASS P1)

	TECHNICAL CHARACTERISTICS	test method astm	required values ansi 137.1	values	
	water absorption	astm c373	≤ 0.5%	compliant	
	breaking strength	astm c648	≥ 250 pounds	compliant	
	resistance to abrasion wear	astm c1027 (PEI method)	not required	4	
	linear thermal expansion	astm c372	not required	$\alpha \leq 8 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$ $\alpha \leq 4.4 \times 10^{-6} \text{ } ^\circ\text{F}^{-1}$	
	thermal shock resistance	astm c484	no sample must show visible signs	resistant	
	chemical resistance	astm c650	not required	resistant	
	frost resistance	astm c1026	not required	resistant	
	bond resistance	astm c482	≥ 50 PSI	compliant	
	stain resistance	CTI 81-7 ANN. D	not required	resistant	
	slip resistance	astm c1028	COF < 0.50 questionable 0.50 ≤ COF < 0.60 conditionally slip resistant COF ≥ 0.60 slip resistant	dry-neolite COF ≥ 0.60 wet-neolite COF ≥ 0.60	
	slip resistance	BOT 3000	DCOF > 0.42	DCOF > 0.55	
	dimensions	warpage edge	astm c485	± 0.75% or max ± 0.09 inch	compliant
		warpage diagonal	astm c485	± 0.50% or max ± 0.08 inch	compliant
		nominal dimensions	astm c499	± 3.0% of nominal dimensions	± 1.5%
		calber range	astm c499	± 0.50% or max ± 0.08 inch	compliant
		thickness	astm c499	≤ 0.040 inch	≤ 0.030 inch
		wedging	astm c502	± 0.50% or max ± 0.08 inch	compliant

USES

	hotels		public spaces
	housing		airports
	bar - restaurants		malls
	shops		train stations

PACKING

article			carton			pallet		
			pcs.	sf	kg	cts.	sf	kg
filed tile	6x24"	15x60,4 cm	16	15,93	33,0	32	510,2	1057,3
bullnose	3x24"	7,5x60,4 cm	12	5,81	11,9	60	-	715,6

LEA CERAMICHE 100% ECO FRIENDLY



100% REUSE OF UNFIRED TILES

crude waste generated by the process is reintegrated in the production cycle with no costs for the environment. This contributes to the safeguard of natural resources.



100% RECYCLING OF THE FIRED TILES (used as inert supports)

all the waste-fired tiles generated by the process are recycled from the building industry as inert supports for road subsoils and foundations, reducing the use of new natural resources.

100% RECYCLING OF NON CERAMIC WASTE

is differentiated and recycled in other production cycles.



100% WATER RECYCLING

the water used in the production process is 100% recycled. The water demand is reduced by about 60% by this mean. No industrial water is discharged in the ecosystem.



LOW EMISSION IN THE ATMOSPHERE

the high quality of the technology used keeps low emissions in the atmosphere.



METHANE CONSUMPTION ARE HIGHLY REDUCED

by the use of up to date technologies and customized installations.



LEA CERAMICHE PACKING MATERIAL IS 100% RECYCLABLE

(carton boxes, plastic packaging materials, wooden pallets, straps, etc..).

LEED CREDITS

- **RECYCLED CONTENT, Sections MR Credit 4.1 and MR Credit 4.2 - (2 LEED points)**
Vivaldi is produced with 40% of pre-consumer recycled materials.
- **REGIONAL MATERIALS, MR Credit 5.2 - (2 LEED points)** are granted if the use of local raw material is equal to 20% of the total value of the raw materials)
 - These Credits are applicable for buildings constructed within 500 miles (804,5 km) from the production site of Lawrenceburg, Kentucky - USA.
 - Leed: Regional materials credits.
As a product manufactured with regional raw materials, Vivaldi will contribute to get these credits on all job-sites located within 500 miles from the production plant (Lawrenceburg, KY U.S.A.)
- **HEAT ISLAND EFFECT (Non roof), SS Credit 7.1 - (1 LEED point)**
Vivaldi doesn't contribute to change the energy balance of the environments where installed. It doesn't produce any Urban Heat Island Effect, thanks to its very good physical properties Solar Reflectance Index SRI ≥ 29 .
- **OPTIMIZE ENERGY PERFORMANCE, EA Credit 1 - (1-10 LEED points)**
Thermal conductivity λ of Vivaldi (Porcelain tile) is 0.75 Btu/ft h °F (1.3 Watt/m°K or 1.1 Kcal/m h °C). For this reason it's particularly indicated for heating floors systems and ventilated curtain walls.
- **LOW EMITTING MATERIALS, EQ Credit 4.2 - (1 LEED point)**
No traces of VOC (Volatile Organic Compounds) are present in Vivaldi tiles.

These environmental standards guarantee excellence in terms of:

- **safeguard** of the environment
- **continuous** improvement of the environmental performances of Vivaldi and of the manufacturing sites
- **healthcare** of Lea Ceramiche's workers and customers



Lea Ceramiche

is a member of the U.S. Green Building Council: this is an organisation that promotes buildings that are environmentally responsible, profitable and healthy places to live and work.



CERTIFICATIONS



leed*



made in usa

LEA CERAMICHE

40%



RECYCLED CERAMIC CONTENT
(PRECONSUMER MATERIALS)
LEED COMPLIANT CREDIT MR4

leed**



certified porcelain tile

* LEED

Through Panariagroup Industrie Ceramiche S.p.A., Lea Ceramiche is an ordinary member of the Green Building Council and the GBC Italia.

** LEED

Vivaldi is produced with 40% of pre-consumer materials, as certified by a qualified external company (certificate available on the website www.ceramichelea.com).

LEA

CERAMICHE

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