THE ROCK

FROM NATURE TO MATTER

OHIO TILE & MARBLE
SINCE 1937

LEA
CERAMICHE

BLACK
ROCK


ICON
ART OF THE WINE LABEL
A Collection of Work by
JEFFREY CALDEWEY and CHUCK HOUSE

SIZES AND COLORS

IVORY ROCK

18"x36" rtt LGGR120

9"x36" rtt LG3R120

24"x24" rtt LGWR120

12"x24" rtt LGVR120

GREY ROCK

18"x36" rtt LGGR110

9"x36" rtt LG3R110

24"x24" rtt LGWR110

12"x24" rtt LGVR110

BLACK ROCK

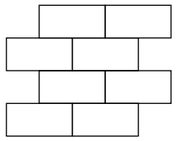
18"x36" rtt LGGR100

9"x36" rtt LG3R100

24"x24" rtt LGWR100

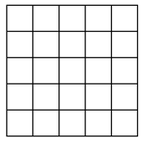
12"x24" rtt LGVR100

DECORS



MURETTO
12"x12"

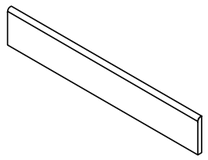
ivory rock	LG9R120
taupe rock	LG9R130
grey rock	LG9R110
black rock	LG9R100



MOSAIC 25
12"x12"

ivory rock	LG9R1M2
taupe rock	LG9R1M3
grey rock	LG9R1M1
black rock	LG9R1M0

TRIMS



BULLNOSE
4"x24"

ivory rock	LGBR120
taupe rock	LGBR130
grey rock	LGBR110
black rock	LGBR100

THE ROCK

full body porcelain UGL

ACCORDING TO:
ANSI A137.1 - UNGLAZED PORCELAIN TILES CLASS P1

tickness 10mm

TECHNICAL FEATURES	test method	required values	average values
water absorption	ASTM C373	≤ 0.5%	0.1%
breaking strength	ASTM C648	≥ 250 lbf	600 lbf
modulus of rupture	ASTM C1505	-	6000 PSI
deep abrasion resistance	ASTM C1243	≤ 175 mm^3	145 mm^3
linear thermal expansion	ASTM C372	no provision	$\alpha \leq 8x10^{-6}$ °C^{-1} $\alpha \leq 4.4x10^{-6}$ °F^{-1}
stain resistance	ASTM C1378	as indicated by manufacturer	A RESISTANT
chemical resistance*	ASTM C650	as indicated by manufacturer	A RESISTANT
frost resistance	ASTM C1026	as indicated by manufacturer	RESISTANT
slip resistance	ANSI A137.1	DCOF ≥ 0.42	DCOF ≥ 0.42
flame spread	ASTM E84	-	Class A
robinson floor tester	ASTM C627	as indicated by manufacturer	≥ 14 cycles Extra Heavy Commercial (over concrete)
thermal conductivity	EN 12524	-	λ = 1,3 W/m° K - 0.7 Btu/ft h° F
recommended minimum joint	RECT (indoor)	-	2mm
shade variation	ANSI A137.1	-	V4

*excluding hydrofluoric acid and derivatives

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

PACKING

article		carton			pallet		
		pcs.	sf	kg	cts.	sf	kg
field tile	*18"x36"*	3	1.22	27.5	28	34.2	770.0
field tile	*9"x36"*	6	1.23	27.5	48	59.0	1320.0
field tiles	*24"x24"*	4	1.45	32.5	32	46.4	1040.0
field tiles	*12"x24"*	7	1.27	28.5	32	40.6	912.0
muretto	*12"x12"*	5	0.45	10.4	48	21.6	499.2
mosaic 25	*12"x12"*	4	0.36	8.3	90	32.4	750.6
bullnose	*4"x24"*	12	7.20	15.5	60	43.2	928.8

CERTIFICATIONS

leed*

made in usa

LEA CERAMICHE
40%
RECYCLED CERAMIC CONTENT
(PRECONSUMER MATERIALS)
LEED COMPLIANT CREDIT MR 4

Product Certification
BUREAU VERITAS
Certification

leed**

DCOF Acutest
Dynamic Coefficient
Of Friction

dcof ≥ 0.42

GREENGUARD
PRODUCT CERTIFIED FOR
LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

greenguard

GREEN
SQUARED
CERTIFIED
Certified by UL Environment

green squared

* LEED
Through Panariagroup Industrie Ceramiche S.p.A., Lea Ceramiche is an ordinary member of the U.S. Green Building Council.

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

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% REUSE/RECYCLING OF THE INDUSTRIAL WASTE - FIRED TILES
The waste-fired tiles are fully reused in the production cycle. In addition, at the end of life, Lea tiles can be recycled as materials for substrates for roads and buildings, thus reducing the use of gravel and natural aggregates
commonly used in building.

100% 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.

LEA PACKING MATERIAL IS 100% RECYCLABLE
(carton boxes, plastic packaging materials, wooden pallets, straps, etc.).

METHANE CONSUMPTION IS HIGHLY REDUCED
By the use of up to date technologies and customized installations.

LOW EMISSIONS IN THE ATMOSPHERE
Lea production plant strictly complies to US Standards with a very small amount of gas emissions in the atmosphere.

SAFETY REQUIREMENTS: NO FIRE REACTION
All of Lea's ceramic tile products are Class A building materials as described in ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials. This is due to the flame spread rating of (O) and smoke developed rating of (O) falling within the ranges of a Class A material. Other building codes refer to this as a
Type I material in accordance with NFPA 255.