

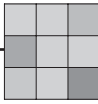
Lifestone

porcelain stoneware



COBSA-USA

NEW YORK | NEW JERSEY | MIAMI



CREMA



USA LICR 1224

| 12 x 24 |



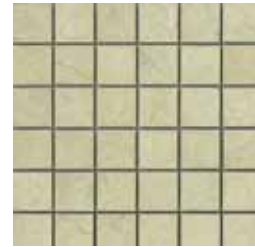
USA LICR 18

| 18 x 18 |



USA LICR 12

| 12 x 12 |



USA LICR MOS22

| 2 x 2 |
mosaic



USA LICR BN32

| 3 x 12 |
bullnose

CROSSCUT



USA LICR 1224

| 12 x 24 |



COMING SOON

| 3 x 6 |



USA LICR 18

| 18 x 18 |



USA LICR 12

| 12 x 12 |



USA LICR MOS22

| 2 x 2 |
mosaic



USA LICR BN32

| 3 x 12 |
bullnose

DAINO ROYAL



USA LIDR 1224

| 12 x 24 |



COMING SOON

| 3 x 6 |



USA LIDR 18

| 18 x 18 |



USA LIDR 12

| 12 x 12 |



USA LIDR MOS22

| 2 x 2 |
mosaic



USA LIDR BN32

| 3 x 12 |
bullnose

double pressed procelain stonewear
digital technology, rectified, color bodied procelain

NOW
AVAILABLE
IN
POLISHED

JURA BEIGE



USA LUB 1224

| 12 x 24 |



USA LUB 18

| 18 x 18 |



USA LUB 12

| 12 x 12 |



USA LUB MOS22

| 2 x 2 |
mosaic



USA LUB BN32

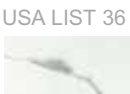
| 3 x 12 |
bullnose

STATUARIO



USA LIST 1224

| 12 x 24 |



USA LIST 36

| 3 x 6 |



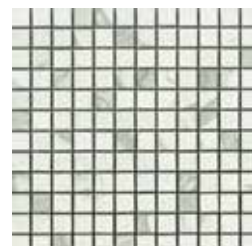
USA LIST 18

| 18 x 18 |



USA LIST 12

| 12 x 12 |



USA LIST MOS22

| 1 x 1 |
mosaic



USA LIST BN32

| 3 x 12 |
bullnose

EMPERADOR MARRON



USA LIEM 1224

| 12 x 24 |



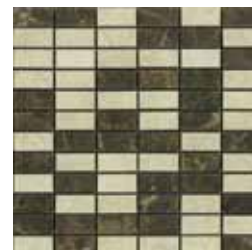
USA LIEM 18

| 18 x 18 |



USA LIEM 12

| 12 x 12 |



USA LIEM MOS21

| 2 x 1 |
mosaic



USA LIEM BN32

| 3 x 12 |
bullnose

Suggested Applications

Floor
 Wall
 Residential
 Light Commercial
 Heavy Commercial
 Exterior
 Pool

Installation Suggestions

Job-tite
 No-Underlayment
 Pre-Installation
 Straight
 Ratic
 Redifill
 Matte
 Polished
 Structural
 Havel
 Semi-polished
 Other

Shade Variation

V1 Uniform Appearance
 V2 Slight Variation
 V3 Moderate Variation
 V4 Variation

Slip Resistance

Coefficient of Friction	WET		DRY	
	Standard	Result	Standard	Result
Accessible	.6	.6	.6	.7
Non-slip	.8		.8	

Values: 0-0.50 Questionable, 0.50-0.60 Conditionally Slip-Resistant, >0.60 Slip-Resistant

Tile Classification: Questionable, Conditionally Slip-Resistant, Slip-Resistant

Industry standard: ≥ 175 Swft

DIN 51130		DIN 51097	
Class	Typical applications	Class	Critical angle
<input type="checkbox"/> R9	9-10°	<input type="checkbox"/> A	Foot, primarily dry areas and walkways, dry changing areas $\geq 2^\circ$
<input type="checkbox"/> R10	10-15°	<input type="checkbox"/> B	Showers, pool surrounds, wet changing areas, linoleum grey areas (plus all Class A areas) $\geq 1^\circ$
<input type="checkbox"/> R11	15-20°	<input type="checkbox"/> C	Areas constantly under water, e.g. steps into pools, footbaths, industrial pool surrounds, jetties (plus all Class A/B areas) $\geq 2^\circ$
<input type="checkbox"/> R12	20-25°		
<input type="checkbox"/> R13	>25°		

ASTM C-1028
DIN 51097/51130

Scratch Resistance

MOH'S SCALE: 8
 UNI EN ISO: 10545.6

Mineral	Mineral
1. Talc (Talc)	6. Microline (Glazed/Glazed Tile)
2. Gypsum (Fingernail)	7. Quartz (Unglazed Porcelain)
3. Calcite (Pen)	8. Topaz (Gem)
4. Fluorite (Coin/Straw)	9. Corundum (Rub)
5. Apatite (Knife Blade)	10. Diamond (Diamond)

Industry standard: ≤ 175 Swft

Wear Resistance

PEI RATING UNI EN ISO: 10545.7

Class 1: Walls only
 Class 2: Residential with minimal abrasive traffic
 Class 3: Residential normal use and foot traffic
 Class 4: Light-medium commercial applications.
 Class 5: Commercial applications.

Stain Resistance

ASTM C1378-04
 UNI EN ISO: 10545.14

5: Removed after 5 minutes (Post water rinsing)
 4: Removed by manual cleaning (Weak detergent)
 3: Removed by mechanical cleaning (Strong detergent)
 2: Removed by immersion (24 hrs in suitable solvent)
 1: Stain not removed

Water Absorption

ASTM C-373
 UNI EN ISO: 10545.3

Water Absorption	Impervious	Water	Semi-Water	Non-Water
<input checked="" type="checkbox"/> Absorbs 0-5% Interior/exterior Frost Resistant	<input type="checkbox"/> Absorbs 5-9% Interior/exterior Frost Resistant	<input type="checkbox"/> Absorbs 9-7% Indoor use only	<input type="checkbox"/> Absorbs 7%+ Indoor use only	

Breaking Strength

ASTM C648
 UNI EN ISO: 10545.4

Industry standard should be greater than 250 lbs or 50Mpa

Facial Dimension

ASTM c499-09
 UNI EN ISO: 10545.02

Dimension	Standard	Min/Max	Result
Thickness	$\pm 0.5mm$	$\pm 0.5%$.4
Thickness	$\pm 0.6mm$	$\pm 0.5%$.08
Straightness	$\pm 0.45mm$	$\pm 0.5%$.01
Irregularities	$\pm 0.4mm$	$\pm 0.5%$.07
Sides L/W	$\pm 1.1mm$ $\pm 0.45mm$	$\pm 0.5%$.01

Chemical Resistance

ASTM C650
 UNI EN ISO: 10545.13

Allowances for:

Material	Result
acid	NO EFFECT
alkali	NO EFFECT
chemicals	NO EFFECT

Leed Information

REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

Category	Requirement	Points
Sustainable Sites	SS CREDIT 1: Minimum 40% tree cover	1 Point <input checked="" type="checkbox"/>
	EA CREDIT 4: Green Power	1 Point <input type="checkbox"/>
Indoor Environmental Quality	IEQ CREDIT 3.1-7: Green Cleaning	1 Point <input checked="" type="checkbox"/>
	IEQ CREDIT 4.1: Low Building Air	1 Point <input checked="" type="checkbox"/>
	IEQ CREDIT 4.3: Low Building Material	1 Point <input checked="" type="checkbox"/>
Materials & Resources	M&R CREDIT 2: Customized Waste Management	1 Point <input type="checkbox"/> 2 Points <input type="checkbox"/>
	M&R CREDIT 4.1-4.2: Recycled Content	10% <input type="checkbox"/> 20% <input checked="" type="checkbox"/>
	M&R CREDIT 5: Regional Materials	10% <input type="checkbox"/> 20% <input type="checkbox"/>
Innovation in Design	ID CREDIT 1: Innovation in Design	1-5 Points <input type="checkbox"/>

The Colorbody Digital Technology
 Product Line: **Lifestyle**