

Massa

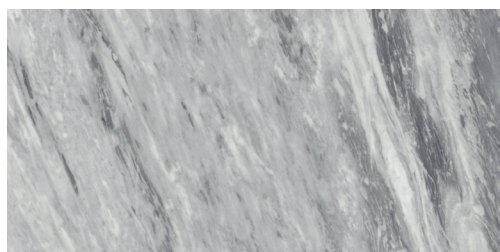


*Inspired By Nature,
Made Possible By...*

CANCOS
TILE & STONE

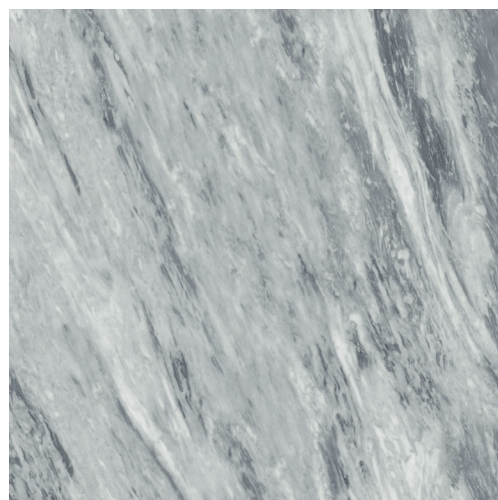


ELEMSBA1224 M ELEMSBA1224L P



| 12 x 24 |

ELEMSBA24 M ELEMSBA24L P



| 24 x 24 |

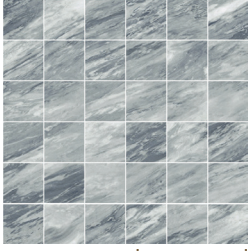
ELEMSBABN336 M ELEMSBABN336L P



bullnose

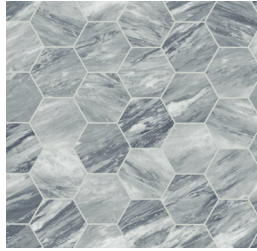
| 3 x 36 |

ELEMSBAMOS22 M



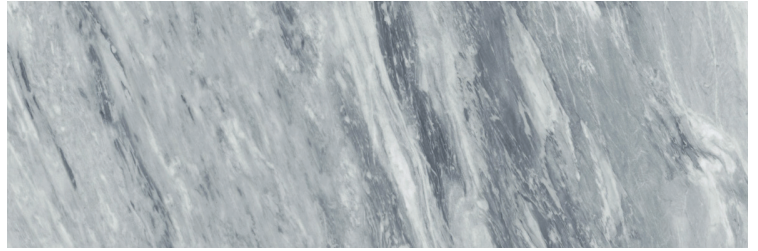
mosaic | 2 x 2 |

ELEMSBAHEX2 M SO



hexagon | 2 x 2 |

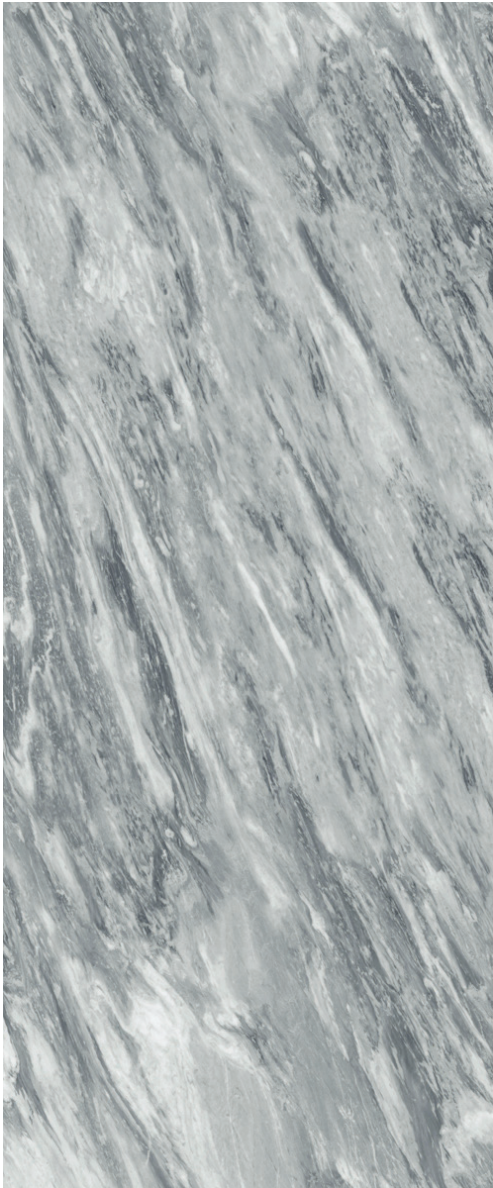
ELEMSBA1236 M ELEMSBA1236L P



| 12 x 36 |

SO

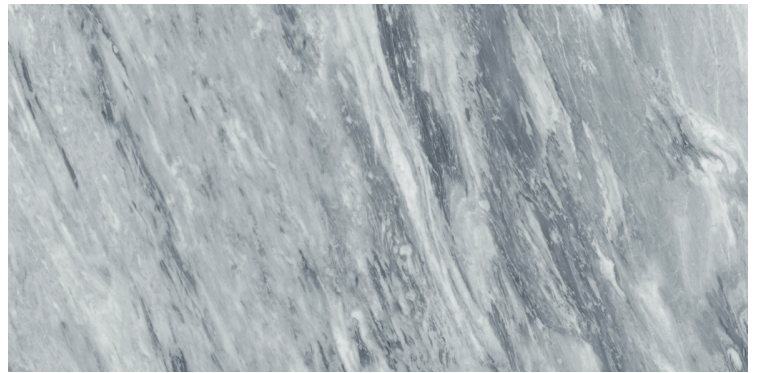
ELEMSBA2460 M



| 24 x 60 |

SO

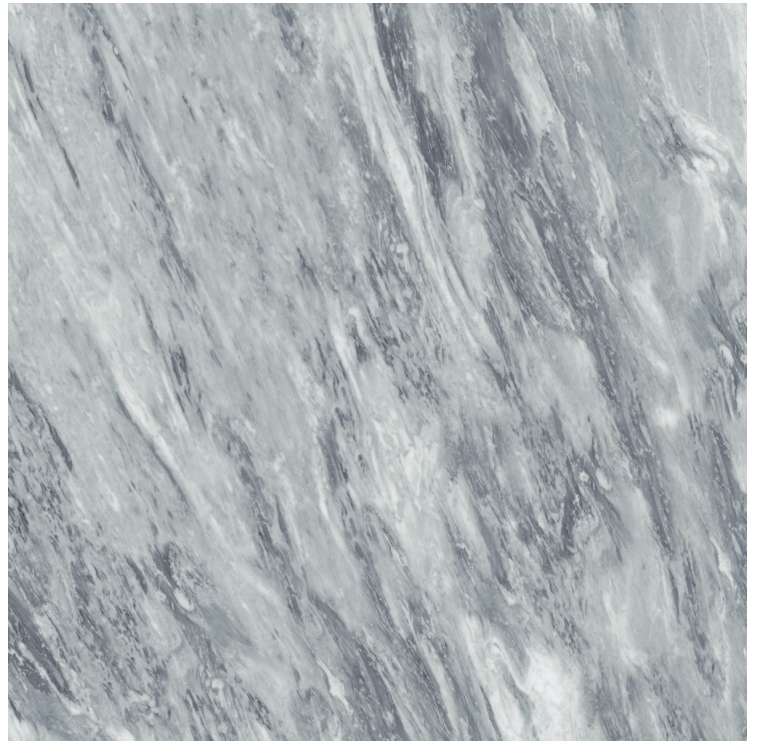
ELEMSBA1836 M ELEMSBA1836L P



| 18 x 36 |

SO

ELEMSBA36 M ELEMSBA36L P



| 36 x 36 |

SO



ELEMSCA1224 M ELEMSCA1224L P



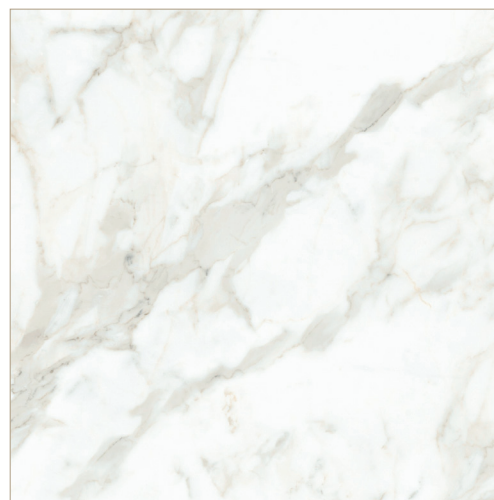
| 12 x 24 |

ELEMSCAWEAVE P



basketweave

ELEMSCA24 M ELEMSCA24L P



| 24 x 24 |

ELEMSCABN336 M ELEMSCABN336L P



bullnose

| 3 x 36 |

SO • SPECIAL ORDER [4-6 week delivery]

Calacatta Gold

ELEMSCAMOS22 M



mosaic | 2 x 2 |

ELEMSCAHEX2 M



hexagon | 2 x 2 |

ELEMSCA1236 M ELEMSCA1236L P



| 12 x 36 |

SO

ELEMSCA2460 M



| 24 x 60 |

SO

ELEMSCA1836 M ELEMSCA1836L P



| 18 x 36 |

ELEMSCA36 M ELEMSCA36L P

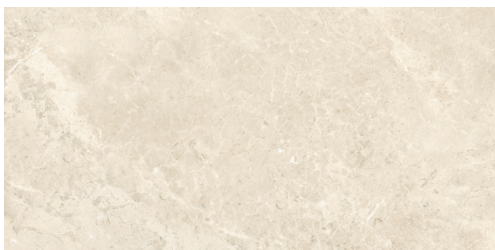


| 36 x 36 |

SO



ELEMSSA1224 M ELEMSSA1224L P



| 12 x 24 |

ELEMSSAWEAVE P



basketweave

ELEMSSA24 M ELEMSSA24L P



| 24 x 24 |

ELEMSSABN336 M ELEMSSABN336L P



bullnose

| 3 x 36 |

SO • SPECIAL ORDER [4-6 week delivery]

Saturnia

ELEMSSAMOS22 M



mosaic | 2 x 2 |

ELEMSSAHEX2 M SO



hexagon | 2 x 2 |

ELEMSSA1236 M ELEMSSA1236L P



| 12 x 36 |

SO

ELEMSSA2460 M



| 24 x 60 |

SO

ELEMSSA1836 M ELEMSSA1836L P



| 18 x 36 |

SO

ELEMSSA36 M ELEMSSA36L P

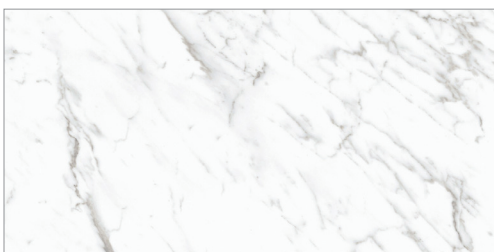


| 36 x 36 |

SO



ELEMSST1224 *M* ELEMSST1224L *P*



| 12 x 24 |

ELEMSSTWEAVE *P*



basketweave

ELEMSST24 *M* ELEMSST24L *P*



| 24 x 24 |

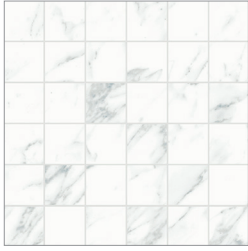
ELEMSSTBN336 *M* ELEMSSTBN336L *P*



bullnose

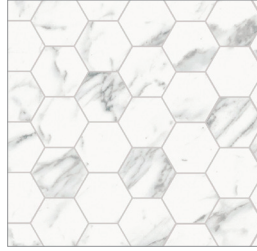
| 3 x 36 |

ELEMSSTMOS22 *M*



mosaic | 2 x 2 |

ELEMSSTHEX2 *M*

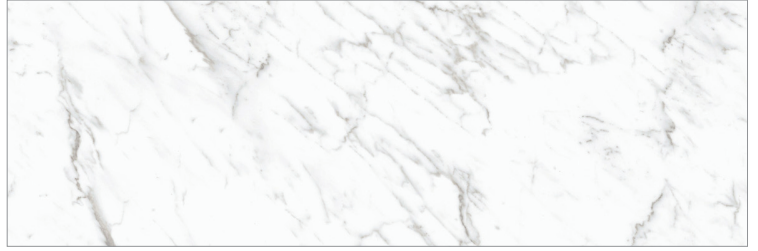


hexagon | 2 x 2 |

ELEMSST1236 *M*

ELEMSST1236L *P*

SO



| 12 x 36 |

ELEMSST1836 *M*

ELEMSST1836L *P*



| 18 x 36 |

ELEMSST2460 *M*

SO



| 24 x 60 |

ELEMSST36 *M*

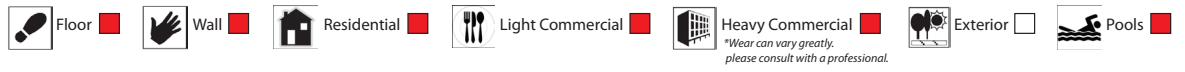
ELEMSST36L *P*

SO



| 36 x 36 |

Suggested Applications



*Wear can vary greatly. please consult with a professional.

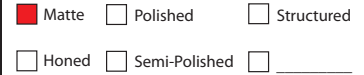
Installation Suggestions



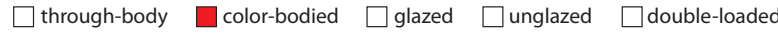
*Install the offset the width of the plank. For professional installation, the use of leveling spacers for all plank and rectangular (ie. 12x24) format tiles is recommended.



FINISH:



Porcelain Type



Shade Variation



THICKNESS:

10mm

OF FACES:

24x60: 25
36x36: 40
18x36: 80
12x36: 120
24x24: 55
12x24: 110

Slip Resistance

DCOF	Values	Applications
>.42	0.42	Recommended Standard DCOF value for wet/dry commercial flooring
	0.65	Recommended Standard DCOF value for ADA ramps

ASTM C-1028
ANSI A137.1
DIN 51097/51130

DIN 51130 *R9: Industry Standard/ADA Requirements **R11: Recommended For Exteriors

<input checked="" type="checkbox"/> R9* (3-10°)	<input type="checkbox"/> R10 (10-19°)	<input type="checkbox"/> R11** (19-27°)
<input type="checkbox"/> R12 (27-35°)	<input type="checkbox"/> R13 (>35°)	

DIN 51097

Class	Typical Applications	Critical Angle
<input type="checkbox"/> A	Barefoot, but mainly dry aisles and walkways, dry changing areas	≥12°
<input type="checkbox"/> B	Shower rooms, pool surrounds, wet changing areas, disinfectant spray areas (plus all Class A areas)	≥18°
<input type="checkbox"/> C	Areas constantly under water, e.g. steps into pools, foot baths, included pool surrounds, jacuzzis (plus all Class A&B areas)	≥24°

Scratch Resistance

MOH'S SCALE
UNI EN ISO
10545.6

7

MINERAL

- | | |
|----------------------------|-----------------------------------|
| 1. Talc (Talc) | 6. Microline (Glass, Glazed Tile) |
| 2. Gypsum (Fingernail) | 7. Quartz (Unglazed Porcelain) |
| 3. Calcite (Penny) | 8. Topaz (Granite) |
| 4. Fluorite (Some Marbles) | 9. Corundum (Ruby) |
| 5. Apatite (Knife Blade) | 10. Diamond (Diamond) |
- Industry standard ≤175mm²

Wear Resistance

PEI RATING
UNI EN ISO
10545.7

- Class 1: Walls only
 - Class 2: Residential floors w/minimal abrasive traffic
 - Class 3: Residential interiors/light commercial traffic
 - Class 4: Medium commercial applications
 - Class 5: All commercial applications/heavy traffic
- *Wear can vary greatly. please consult with a professional.

Stain Resistance

ASTM C1378-04
UNI EN ISO
10545.14

4/5

- 5: Removed after 5 minutes (hot water running)
- 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

<input checked="" type="checkbox"/> Absorbs 0-.5%	<input type="checkbox"/> Absorbs .5-3%	<input type="checkbox"/> Absorbs 3-7%	<input type="checkbox"/> Absorbs 7% +
Impervious Interior/Exterior Frost Resistant	Vitreous Interior/Exterior Frost Resistant	Semi-Vitreous Indoor Use Only	Non-Vitreous Indoor Use Only

Breaking Strength

ASTM C648
UNI EN ISO
10545.4

PASS



Industry standard should be greater than 250 lbs or 50 N/MM²

Facial Dimension

ASTM c499-09
UNI EN ISO
10545.02

	Standard	Tolerance	Result
flatness	±5mm	±.5%	PASS
thickness	±6mm	±.5%	PASS
straightness	±4.5mm	±.5%	PASS
squareness	±5.4mm	±.6%	PASS
sides L/W	±1.1mm ±4.5mm	±.5%	PASS

Chemical Resistance

ASTM C650
UNI EN ISO
10545.13



Allowances for:

	result
Acid	PASS
Bases	PASS
Chemicals	PASS

Leed Information



REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

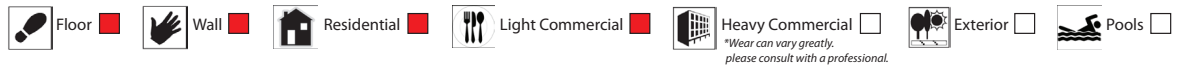
Sustainable Sites	Point
Site selection	1 Point
SS CREDIT 1 Heat Island Effect-non roof Material with a solar reflectant index of at least 29.	<input checked="" type="checkbox"/>
Energy & Atmosphere	1 Point
EA CREDIT 4 Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	<input checked="" type="checkbox"/>
Indoor Environmental Quality	1 Point
Low-Emitting Materials-Flooring Systems	
IEQ CREDIT 3.1-7 Green Cleaning: Reducing occupants exposure to hazardous cleaning chemicals.	<input checked="" type="checkbox"/>
IEQ CREDIT 4.1 Low Emitting Adhesives: Products less than 65 G/L VOC	<input type="checkbox"/>
IEQ CREDIT 4.3 Low Emitting Materials: Flooring systems.	<input checked="" type="checkbox"/>

Materials & Resources	Point	Points
M&R CREDIT 2 Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	50% <input type="checkbox"/>	70% <input type="checkbox"/>
M&R CREDIT 4.1-4.2 Recycled Content: The sum of post consumer plus 1/2 of the pre consumer reps at least 10-20% of total value of materials.	10% <input type="checkbox"/>	20% <input checked="" type="checkbox"/>
M&R CREDIT 5 Regional Materials: Materials manufactured within 500 miles of the project site.	10% <input type="checkbox"/>	20% <input type="checkbox"/>
Innovation in Design		1-5 Points
ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.		<input checked="" type="checkbox"/>

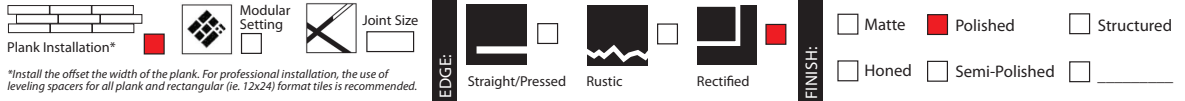
Type: **Porcelain Stoneware**
Product Line: **Massa (matte)**

The marketing name for this product is property of Cencos Tile & Stone. This same product may be marketed under different names.

Suggested Applications



Installation Suggestions



Porcelain Type



Shade Variation



Slip Resistance

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ASTM C-1028
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DIN 51097		
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UNI EN ISO
10545.6

5

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10545.7

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UNI EN ISO
10545.14

3, 4

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<input checked="" type="checkbox"/>	Impervious	<input type="checkbox"/>	Vitreous	<input type="checkbox"/>	Semi-Vitreous	<input type="checkbox"/>	Non-Vitreous
<input checked="" type="checkbox"/>	Interior/Exterior	<input type="checkbox"/>	Interior/Exterior	<input type="checkbox"/>	Indoor Use Only	<input type="checkbox"/>	Indoor Use Only
<input checked="" type="checkbox"/>	Frost Resistant	<input type="checkbox"/>	Frost Resistant				

Breaking Strength

ASTM C648
UNI EN ISO
10545.4

PASS



Facial Dimension

ASTM c499-09
UNI EN ISO
10545.02

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Product Line: **Massa (polished)**

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