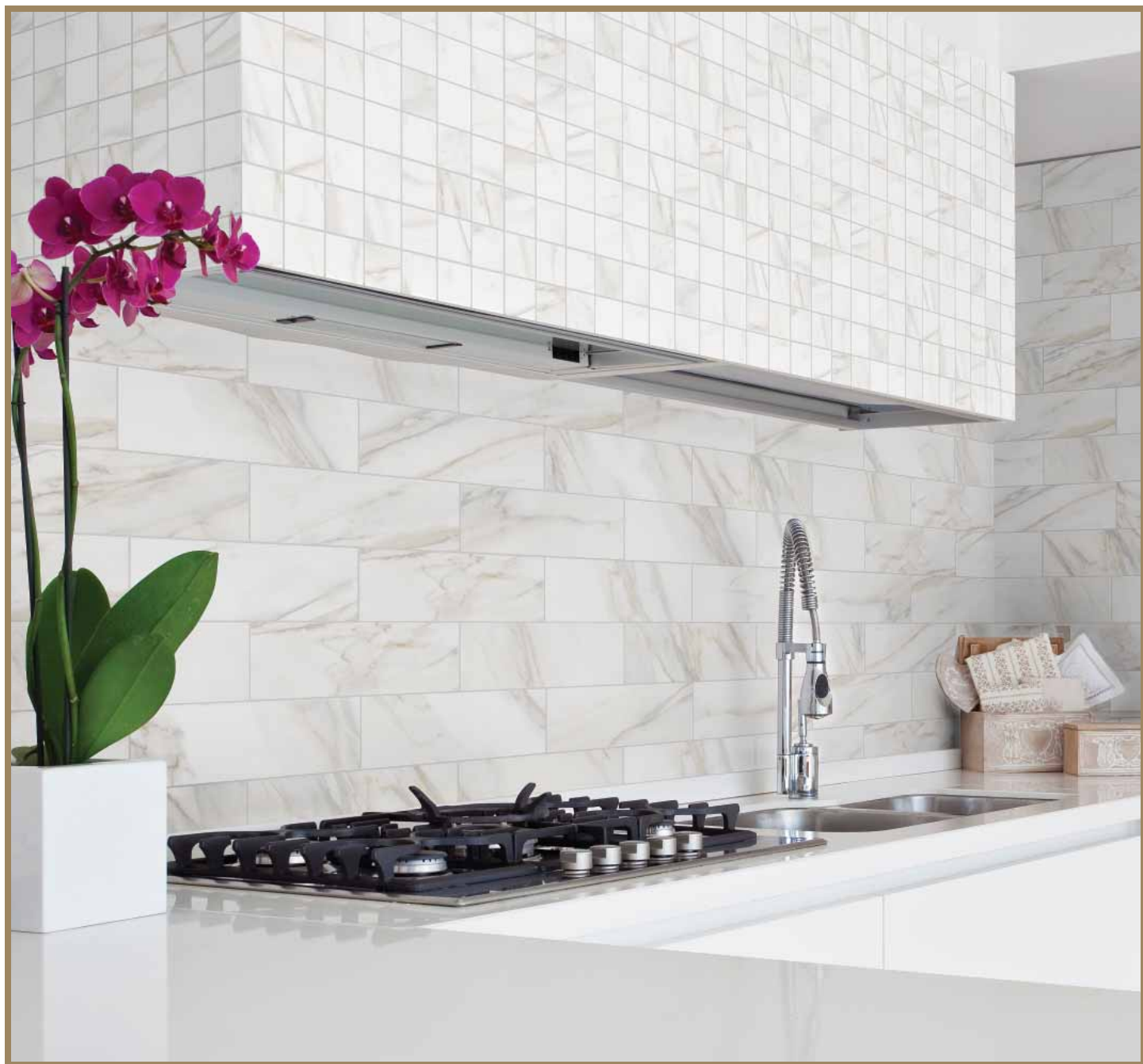


Palace Stone

marble-look porcelain



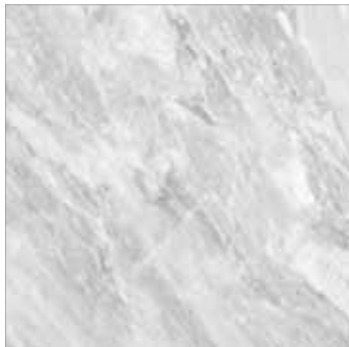
COBSA-USA

NEW YORK | NEW JERSEY | MIAMI

MARBLE-LOOK PORCELAIN



ELEPABA12



| 12 x 12 |

ELEPABA1632



| 16 x 32 |

ELEPABA1224



| 12 x 24 |

ELEPABA412



| 4 x 12 |

ELEPABABN312



bullnose | 3 x 12 |

ELEPABAMOS22



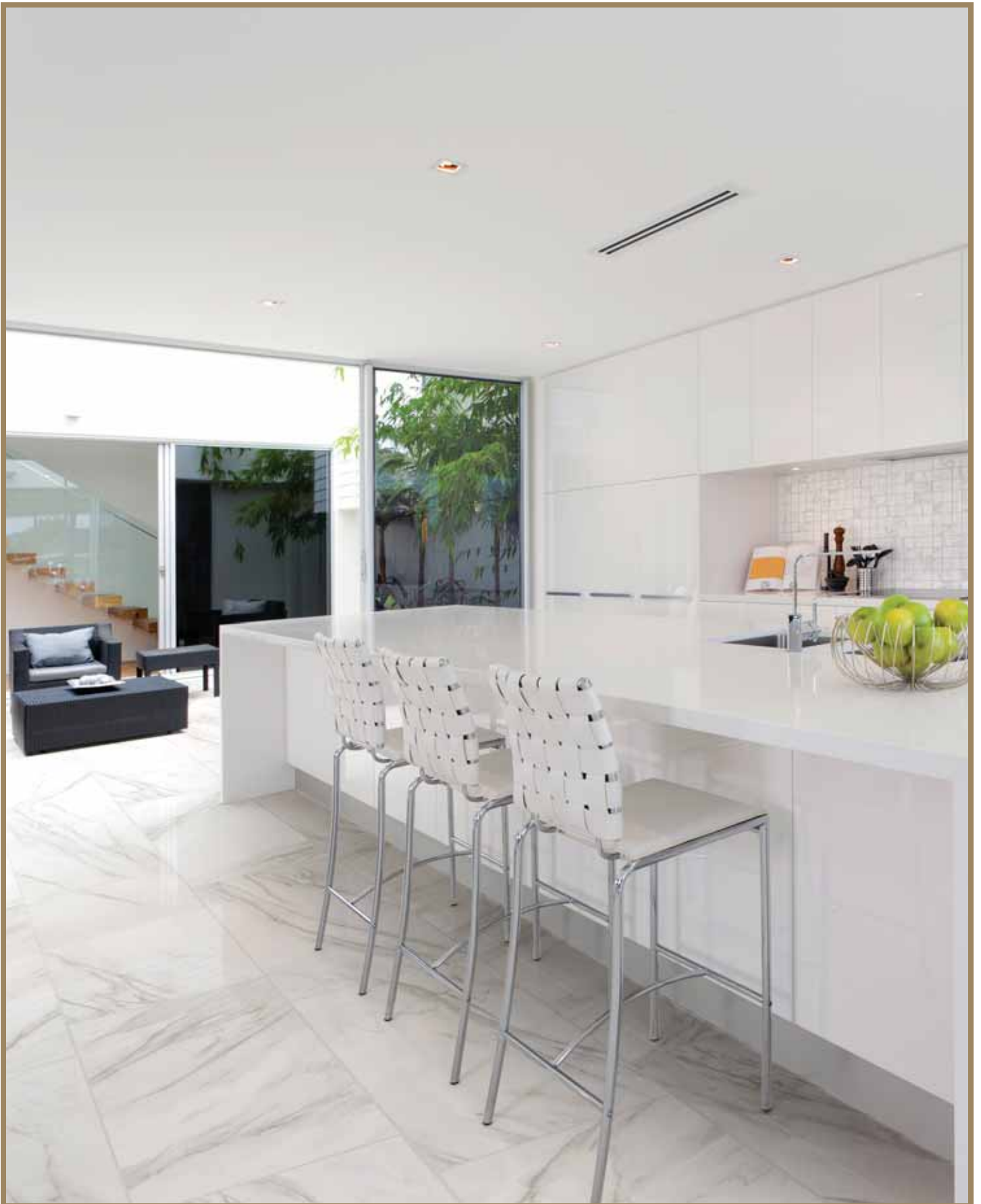
2x2 mosaic | 12 x 12 |

ELEPABAMOSLIN



lineality (cropped) | 8 x 24 |

MARBLE-LOOK PORCELAIN



Calacatta

ELEPACA12



| 12 x 12 |

ELEPACA1632



| 16 x 32 |

ELEPACA1224



| 12 x 24 |

ELEPACA412



| 4 x 12 |

ELEPACABN312



bullnose | 3 x 12 |

ELEPACAMOS22



2x2 mosaic | 12 x 12 |

ELEPACAMOSLIN



lineality (cropped) | 8 x 24 |

MARBLE-LOOK PORCELAIN



ELEPAST12



| 12 x 12 |

ELEPAST1632



| 16 x 32 |

ELEPAST1224



| 12 x 24 |

ELEPAST412



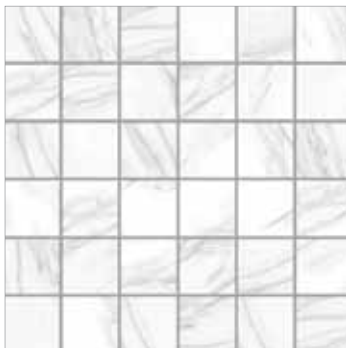
| 4 x 12 |

ELEPASTBN312



bullnose | 3 x 12 |

ELEPASTMOS22



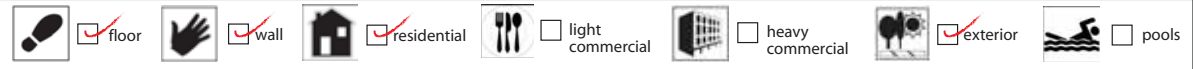
2x2 mosaic | 12 x 12 |

ELEPASTMOSLIN



lineality (cropped) | 8 x 24 |

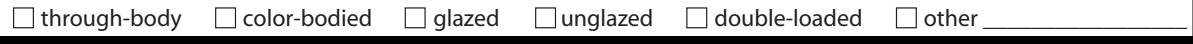
Suggested Applications



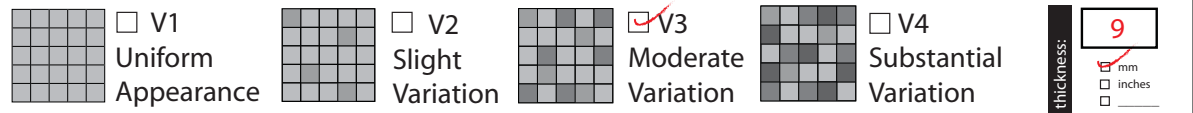
Installation Suggestions



Porcelain Type



Shade Variation



Slip Resistance

Coefficient of Friction				DIN 51130	DIN 51097	Class	Typical applications	Critical angle
accessible routes	standard*	result	standard*	<input checked="" type="checkbox"/> R9*	3-10°	<input checked="" type="checkbox"/> A	Barefoot, but mainly dry aisles and walkways, dry changing areas	≥12°
	.6	.58	.6	<input type="checkbox"/> R10	10-19°	<input type="checkbox"/> B	Shower rooms, pool surrounds, wet changing areas, disinfectant spray areas (plus all Class A areas)	≥18°
ramps	standard*	result	standard*	<input type="checkbox"/> R11	19-27°	<input type="checkbox"/> C	Areas constantly under water, e.g. steps into pools, foot baths, inclined pool surrounds, jacuzzis (plus all Class A&B areas)	≥24°
	.8		.8	<input type="checkbox"/> R12	27-35°			
				<input type="checkbox"/> R13	>35°			

Values: 0-0.50, 0.50-0.60, >0.60
 Tile Classification: Questionable, Conditionally Slip Resistant, Slip Resistant
 *Industry Standard/ADA Requirements

ASTM C-1028
DIN 51097/51130

Scratch Resistance

Mineral	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

MOH'S SCALE **3**
UNI EN ISO 10545.6

Wear Resistance

- Class 1: Walls only
- Class 2: Resid. floors w/minimal abrasive traffic.
- Class 3: Resid. interiors normal use and foot traffic.
- Class 4: Light-medium commercial applications.
- Class 5: Commercial applications.

PEI RATING
UNI EN ISO 10545.7

Stain Resistance

- Removed after 5 minutes (hot water running)
- Removed by manual cleaning (weak detergent)
- Removed by mechanical cleaning (strong detergent)
- Removed by immersion (24 hrs in suitable solvent)
- Stain not removed

ASTM C1378-04
UNI EN ISO 10545.14 **4**

Water Absorption

ASTM C-373
UNI EN ISO 10545.3

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

Breaking Strength

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

ASTM C648
UNI EN ISO 10545.4

Facial Dimension

ASTM c499-09
UNI EN ISO 10545.02

	Standard	Tolerance	Result
flatness	± 5mm	± .5%	2mm
thickness	± 6mm	± .5%	
straightness	± 4.5mm	± .5%	2mm
squareness	± 5.4mm	± .6%	2mm
sides L/W	± 1.1mm / ± 4.5mm	± .5%	3mm

Chemical Resistance

ASTM C650
UNI EN ISO 10545.13

Allowances for:

	result
acid	
bases	PASS
chemicals	

Leed Information

REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

Sustainable Sites	Allowances for:	Materials & Resources	1 Point	2 Points
Site selection SS CREDIT 1 Heat Island Effect-non roof Material with a solar reflectant index of at least 29.	1 Point	M&R CREDIT 2 Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	50% <input type="checkbox"/>	70% <input type="checkbox"/>
Energy & Atmosphere EA CREDIT 4 Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	1 Point	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 type="checkbox"/>
Indoor Environmental Quality Low-Emitting Materials-Flooring Systems IEQ CREDIT 3.1-7 Green Cleaning: Reducing occupants exposure to hazardous cleaning chemicals.	1 Point	M&R CREDIT 5 Regional Materials: Materials manufactured within 500 miles of the project site.	10% <input type="checkbox"/>	20% <input type="checkbox"/>
IEQ CREDIT 4.1 Low Emitting Adhesives: Products less than 65 G/LVOC	<input type="checkbox"/>	Innovation in Design ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.		1-5 Points <input type="checkbox"/>
IEQ CREDIT 4.3 Low Emitting Materials: Flooring systems.	<input type="checkbox"/>			

Type: **Marble-Look Porcelain**
Product Line: **Palace Stone**

The marketing name for this product is property of CobsA-USA. This same product may be marketed under different names.