

Savoie Marcel

matte + polished porcelain



COBSA USA

NEW YORK | NEW JERSEY | MIAMI

Marcel BLANCO



Savoie BLANCO



Marcel ELESMBL2448
Savoie ELESMBL2448L



| 24 x 48 |

Marcel ELESMBL1224
Savoie ELESMBL1224L



| 12 x 24 |

Marcel ELESMBLBN324
Savoie ELESMBLBN324L



| 3 x 24 bullnose |

Marcel
ELESMBLMOS22



| 2 x 2 mosaic |

Marcel = matte finish
Savoie = polished finish

Marcel GRIS



Savoie GRIS



Marcel ELES MGR2448
Savoie ELES MGR2448L



| 24 x 48 |

Marcel ELES MGR1224
Savoie ELES MGR1224L



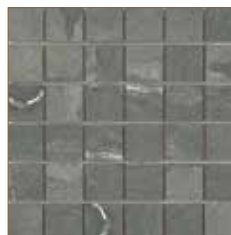
| 12 x 24 |

Marcel ELES MGRBN324
Savoie ELES MGRBN324L



| 3 x 24 bullnose |

Marcel
ELES MGRMOS22



| 2 x 2 mosaic |

Marcel = matte finish
Savoie = polished finish

Marcel MARFIL



Savoie MARFIL



Marcel ELES MMA2448
Savoie ELES MMA2448L



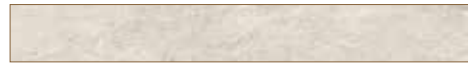
| 24 x 48 |

Marcel ELES MMA1224
Savoie ELES MMA1224L



| 12 x 24 |

Marcel ELES MMABN324
Savoie ELES MMABN324L



| 3 x 24 bullnose |

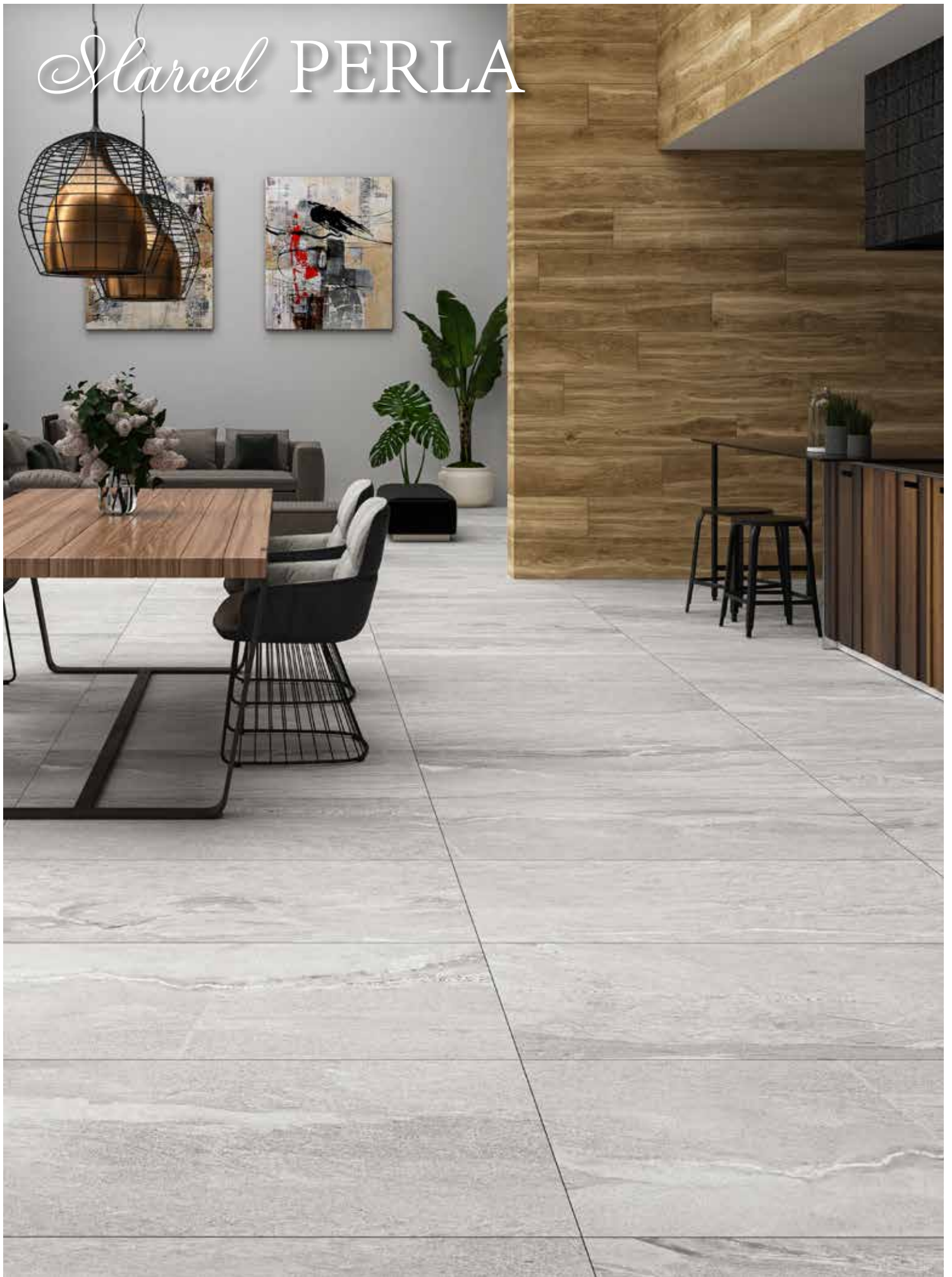
Marcel
ELES MMAMOS22



| 2 x 2 mosaic |

Marcel = matte finish
Savoie = polished finish

Marcel PERLA



Savoie PERLA



Marcel ELESMPPE2448
Savoie ELESMPPE2448L



| 24 x 48 |

Marcel ELESMPPE1224
Savoie ELESMPPE1224L



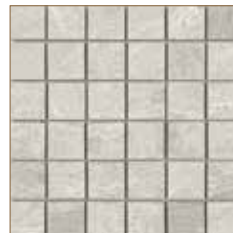
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Marcel ELESMPPEBN324
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| 2 x 2 mosaic |

Marcel = matte finish
Savoie = polished finish

Suggested Applications

Floor Wall Residential Light Commercial Heavy Commercial Exterior Pools

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

Installation Suggestions

Plank Installation* Modular Setting Joint Size **2mm**

*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.

EDGE: Straight/Pressed Rustic Rectified

FINISH: Matte Polished Structured Honed Semi-Polished

Porcelain Type

through-body color-bodied glazed unglazed double-loaded other _____

Shade Variation

V1 Uniform Appearance V2 Slight Variation V3 Moderate Variation V4 Substantial Variation

THICKNESS: **10mm** # OF FACES:

Slip Resistance

| DCOF | Values | Applications |
|---|--------|---|
| <input checked="" type="checkbox"/> .50 | 0.42 | Recommended Standard DCOF value for wet/dry commercial flooring |
| <input type="checkbox"/> | 0.65 | Recommended Standard DCOF value for ADA ramps |

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

R9* (3-10°) R10 (10-19°) R11** (19-27°) R12 (27-35°) 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 checked="" 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° |

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

Scratch Resistance

MINERAL

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

Industry standard ≤175mm²

MOH'S SCALE
 UNI EN ISO
 10545.6

7

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

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

ASTM C1378-04
 UNI EN ISO
 10545.14

5

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

Breaking Strength

ASTM C648
 UNI EN ISO
 10545.4


 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

| Category | Requirement | Points |
|-----------------------|---|--|
| Sustainable Sites | 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 |
| IEQ CREDIT 3.1-7 | Low-Emitting Materials-Flooring Systems | 1 Point |
| | 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 |
| IEQ CREDIT 4.3 | Low Emitting Materials: Flooring systems. | <input checked="" type="checkbox"/> |
| Materials & Resources | M&R CREDIT 2 | 2 Points |
| | Construction Waste Management: Recycling salvaged construction waste in to new reusable materials. | 50% <input type="checkbox"/> 70% <input checked="" 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 | <input type="checkbox"/> |
| | Measurable exemplary environmental performance. | |

Type: **Matte Porcelain**

Product Line: **MARCEL**

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

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DCOF .30 .30 .42 .65

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ASTM C1378-04
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ASTM C-373
 UNI EN ISO 10545.3

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 Vitreous Interior/Exterior Frost Resistant
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ASTM C648
 UNI EN ISO 10545.4

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ASTM C650
 UNI EN ISO 10545.13

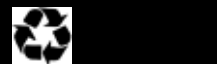
Allowances for: result

Acid PASS

Bases PASS

Chemicals PASS

Leed Information



REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

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|--|-------------------------------------|---|------------------------------|---|
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| IEQ CREDIT 4.3 | | | | |
| Low Emitting Materials: Flooring systems. | <input checked="" type="checkbox"/> | | | |

Type: **Polished Porcelain**

Product Line: **SAVOIE**

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COBSA USA

NEW YORK | NEW JERSEY | MIAMI