

# Santa Magdalena

porcelain stoneware



**COBSA-USA**

NEW YORK | NEW JERSEY | MIAMI

PORCELAIN STONEWARE



ELESABE1224



| 12x24 |

ELESABE2448



| 24x48 |

ELESABEMOS22



| 2x2 mosaic |

ELESABEBN424



| 4x24 bullnose |

PORCELAIN STONEWARE



ELESABI1224



| 12x24 |

ELESABI2448



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ELESABIMOS22



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ELESABIBN424



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PORCELAIN STONEWARE



ELESAGR1224



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PORCELAIN STONEWARE





ELESATO1224



| 12x24 |

ELESATO2448



| 24x48 |

ELESATOMOS22



| 2x2 mosaic |

ELESATOBN424



| 4x24 bullnose |



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



## Suggested Applications



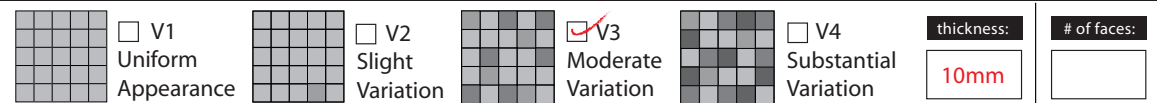
## Installation Suggestions



## Porcelain Type



## Shade Variation



## Slip Resistance



COF	WET		DRY		DCOF	DIN 51130	DIN 51097 Class	Typical Applications	Critical Angle
	standard*	result	standard*	result					
accessible routes	.6	.78	.6	.69	.54	<input checked="" type="checkbox"/> R9* 3-10°	<input checked="" type="checkbox"/> A	Barefoot, but mainly dry aisles and walkways, dry changing areas	≥12°
ramps	.8		.8			<input type="checkbox"/> R10 10-19°	<input checked="" type="checkbox"/> B	Shower rooms, pool surrounds, wet changing areas, disinfectant spray areas (plus all Class A areas)	≥18°
						<input type="checkbox"/> R11 19-27°	<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°
						<input type="checkbox"/> R12 27-35°			
						<input type="checkbox"/> R13 >35°			

\*Industry Standard/ADA Requirements

Values	Tile Classification
0 - 0.50	Questionable
0.50 - 0.60	Conditionally Slip Resistant
> 0.60	Slip Resistant

ASTM C-1028  
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 ≤175mm<sup>2</sup>

MOH'S SCALE   
UNI EN ISO   
10545.6

## Wear Resistance

PEI RATING  
UNI EN ISO  
10545.7

- 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.

## Stain Resistance

ASTM C1378-04  
UNI EN ISO  
10545.14

- 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

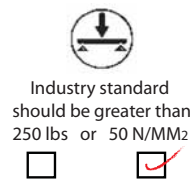
## Water Absorption

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% +
<b>Impervious</b> Interior/exterior Frost Resistant	<b>Vitreous</b> Interior/exterior Frost Resistant	<b>Semi-Vitreous</b> Indoor use only	<b>Non-Vitreous</b> Indoor use only

## Breaking Strength

ASTM C648  
UNI EN ISO  
10545.4



## Facial Dimension

ASTM c499-09  
UNI EN ISO  
10545.02

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

## Chemical Resistance

ASTM C650  
UNI EN ISO  
10545.13

Allowances for:

	result
acid	
bases	
chemicals	

## Leed Information



REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

Sustainable Sites	1 Point	2 Points
<b>Site selection</b> SS CREDIT 1 <b>Heat Island Effect-non roof</b> Material with a solar reflectant index of at least 29.	<input type="checkbox"/>	
<b>Energy &amp; Atmosphere</b> EA CREDIT 4 <b>Green Power:</b> Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	<input type="checkbox"/>	
<b>Indoor Environmental Quality</b> Low-Emitting Materials-Flooring Systems IEQ CREDIT 3.1-7 <b>Green Cleaning:</b> Reducing occupants exposure to hazardous cleaning chemicals.	<input type="checkbox"/>	
IEQ CREDIT 4.1 <b>Low Emitting Adhesives:</b> Products less than 65 G/L VOC	<input type="checkbox"/>	
IEQ CREDIT 4.3 <b>Low Emitting Materials:</b> Flooring systems.	<input type="checkbox"/>	
<b>Materials &amp; Resources</b> M&R CREDIT 2 <b>Construction Waste Management:</b> Recycling salvaged construction waste in to new reusable materials.	50% <input type="checkbox"/>	70% <input type="checkbox"/>
M&R CREDIT 4.1-4.2 <b>Recycled Content:</b> 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"/>
M&R CREDIT 5 <b>Regional Materials:</b> Materials manufactured within 500 miles of the project site.	10% <input type="checkbox"/>	20% <input type="checkbox"/>
<b>Innovation in Design</b> ID CREDIT 1 <b>Innovation in Design</b> Measurable exemplary environmental performance.		<input type="checkbox"/>

Type: **Porcelain Stoneware**

Product Line: **Santa Magdalena**

1) WEAR RESISTANCE: Differs according to surface color

Class 4: Beige, Grigio, Tortora | Class 5: Bianco

2) LEED INFORMATION: All Cerindustries products comply with many of LEED's requirements and porcelain stoneware are made up of a percentage of recycled and recovered material (pre-consumer), that does exceed 40% of the total quantity of clays employed. Cerindustries products do not release VOC and are manufactured in production facilities environmental friendly certified. \*Points must be assigned by the architect and builder according to selections and LEED procedures.\*