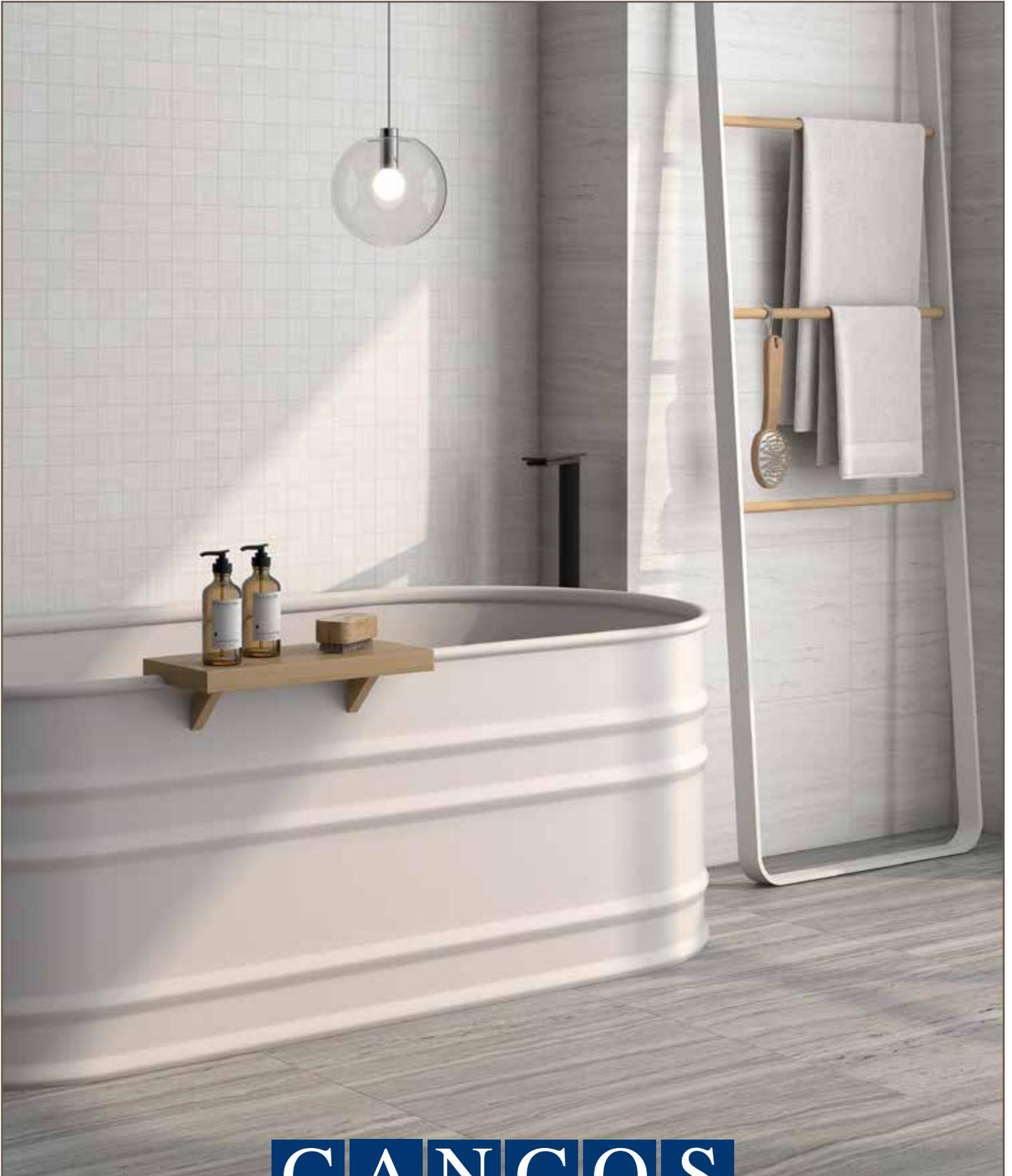


# Aurora

porcelain stoneware

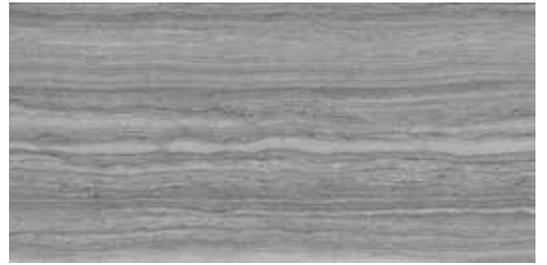


# DARK





ELEAUDK1224



| 12x24 |

ELEAUDK2448



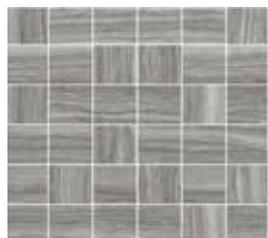
| 24x48 |

ELEAUDKBN324



| 3x24 bullnose |

ELEAUDKMOS22



| 2x2 mosaic |

# GREY





ELEAUGR1224



| 12x24 |

ELEAUGR2448



| 24x48 |

ELEAUGRBN324



| 3x24 bullnose |

ELEAUGRMOS22



| 2x2 mosaic |

# TAUPE





ELEAUTA1224



| 12x24 |

ELEAUTA2448



| 24x48 |

ELEAUTABN324



| 3x24 bullnose |

ELEAUTAMOS22



| 2x2 mosaic |

# WHITE





ELEAUWH1224



| 12x24 |

ELEAUWH2448



| 24x48 |

ELEAUWHBN324



| 3x24 bullnose |

ELEAUWHMOS22



| 2x2 mosaic |

# 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 > 1.5mm

\*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: 9mm # OF FACES: 28

# Slip Resistance

DCOF >.42

Values	Applications
0.42	Recommended Standard DCOF value for wet/dry commercial flooring
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		Critical Angle
Class	Typical Applications	
<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°

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 ≤175mm<sup>2</sup>

MOH'S SCALE  
UNI EN ISO 10545.6

5

# 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

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/MM<sup>2</sup>

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

Type: 12x24 Porcelain Stone

Product Line: Aurora

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

# 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 > 1.5mm

\*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: 10.5mm # OF FACES: 12

# Slip Resistance

DCOF	Values	Applications	DIN 51097	Class	Typical Applications	Critical Angle
>.42	0.42	Recommended Standard DCOF value for wet/dry commercial flooring	DIN 51130 *R9: Industry Standard/ADA Requirements **R11: Recommended For Exteriors <input 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°)	<input type="checkbox"/> A	Barefoot, but mainly dry aisles and walkways, dry changing areas	≥12°
	0.65	Recommended Standard DCOF value for ADA ramps		<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, inclined pool surrounds, jacuzzis (plus all Class A&B areas)	≥24°

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

# Scratch Resistance

**MINERAL**

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Industry standard ≤175mm<sup>2</sup>

MOH'S SCALE  
 UNI EN ISO 10545.6

5

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ASTM C1378-04  
 UNI EN ISO 10545.14

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<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

Industry standard should be greater than 250 lbs or 50 N/MM<sup>2</sup>

ASTM C648  
 UNI EN ISO 10545.4

PASS

# 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:

Acid	result
Bases	result
Chemicals	result

Acid  PASS  
 Bases  PASS  
 Chemicals  PASS

# Leed Information

REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

Sustainable Sites	1 Point	2 Points
Site selection	1 Point	
SS CREDIT 1 Heat Island Effect-non roof Material with a solar reflectant index of at least 29.	<input type="checkbox"/>	
Energy & Atmosphere	1 Point	
EA CREDIT 4 Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FIT	<input type="checkbox"/>	
Indoor Environmental Quality	1 Point	
Low-Emitting Materials-Flooring Systems	1 Point	
IEQ CREDIT 3.1-7 Green Cleaning: Reducing occupants exposure to hazardous cleaning chemicals.	<input 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 type="checkbox"/>	
Materials & Resources	1 Point	2 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 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 type="checkbox"/>

Type: 24x48 Porcelain Stone

Product Line: Aurora

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

