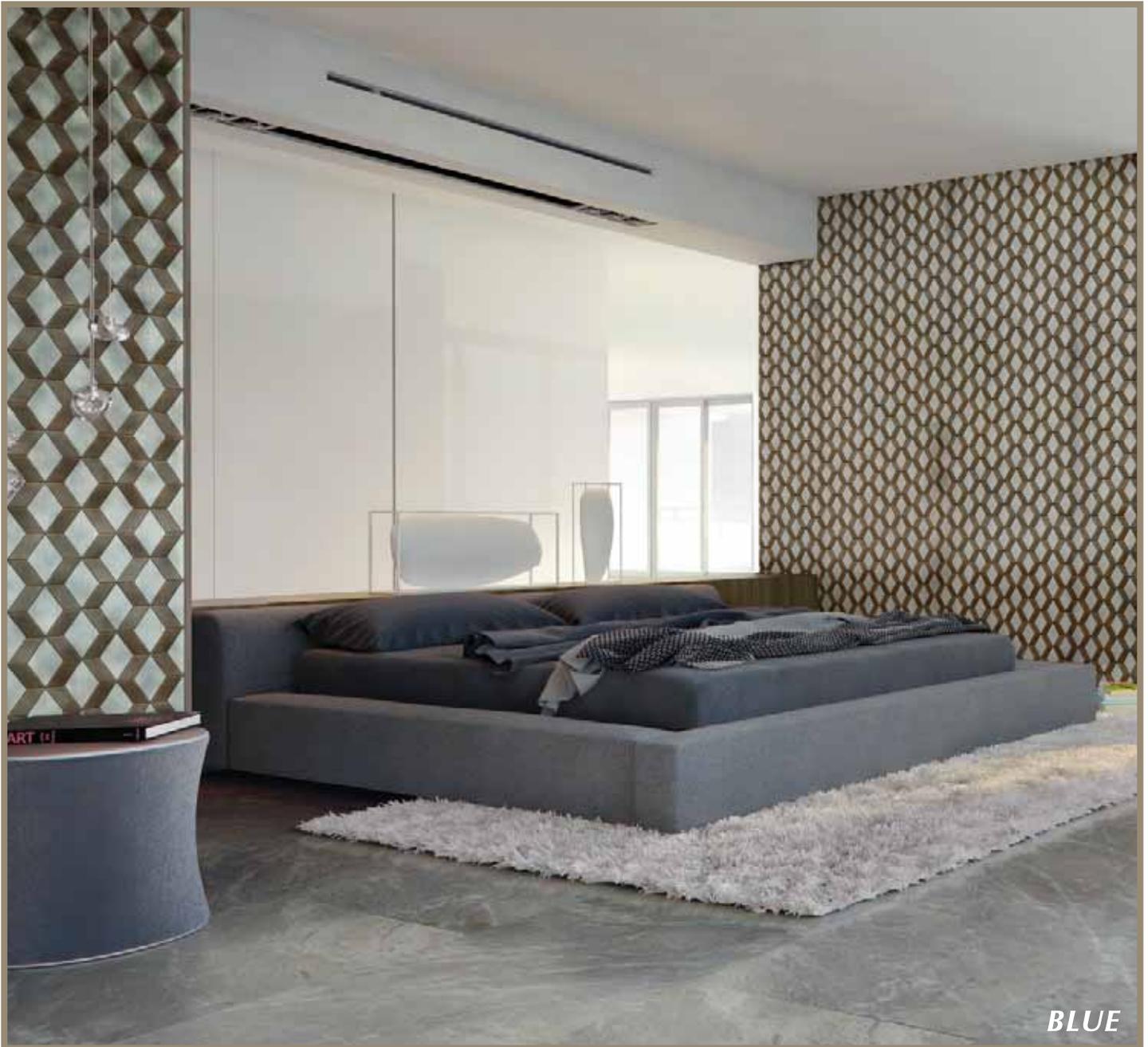


# Neostone

porcelain stoneware



*BLUE*

**COBSA-USA**

NEW YORK | NEW JERSEY | MIAMI

PORCELAIN STONEWARE



# Arabescato

USANEAR412



| 4 x 12 |

USANEARBN424



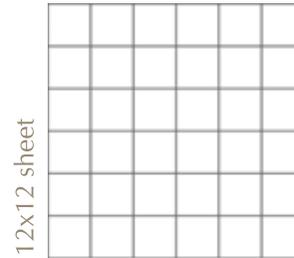
| 4 x 24 bullnose |

USANEAR1224



| 12 x 24 |

USANEARMOS22



12x12 sheet

| 2 x 2 mosaic |

USANEARMOSTIZ



10x12 sheet

| tiziano mosaic |

USANEAR1248



| 12 x 48 |

USANEAR2448



| 24 x 48 |

PORCELAIN STONEWARE



USANEBL412



| 4 x 12 |

USANEBLBN424



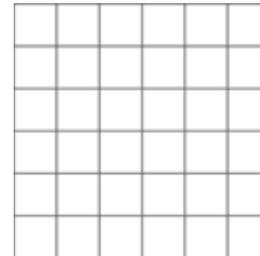
| 4 x 24 bullnose |

USANEBL1224



| 12 x 24 |

USANEBLMOS22



12x12 sheet

| 2 x 2 mosaic |

USANEBLMOSTIZ



10x12 sheet

| tiziano mosaic |



USANEBL1248



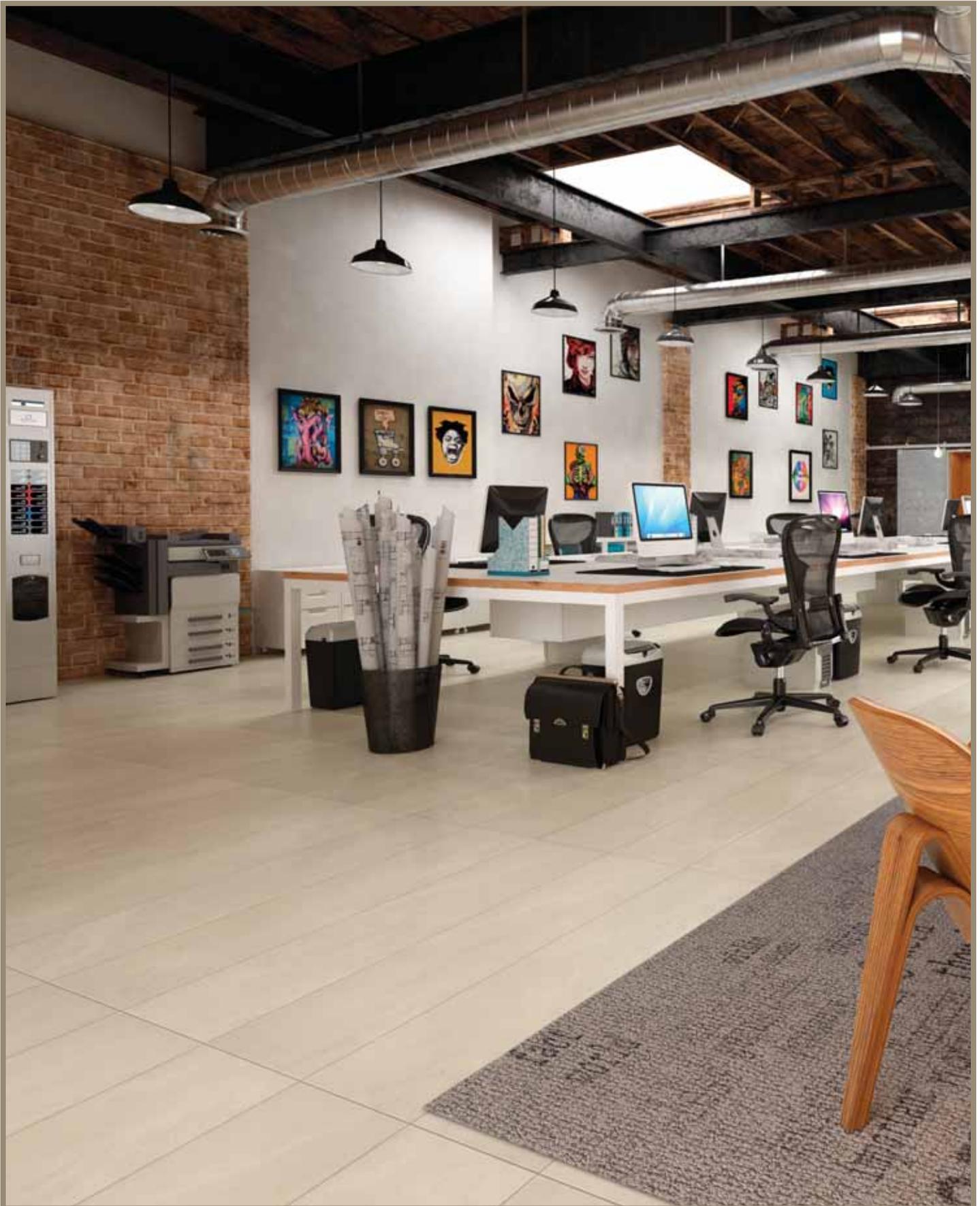
| 12 x 48 |

USANEBL2448



| 24 x 48 |

PORCELAIN STONEWARE



USANEGI412



| 4 x 12 |

USANEGIBN424



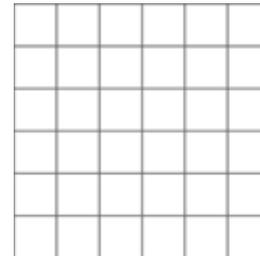
| 4 x 24 bullnose |

USANEGI1224



| 12 x 24 |

USANEGIMOS22



12x12 sheet

| 2 x 2 mosaic |

USANEGIMOSTIZ



10x12 sheet

| tiziano mosaic |

USANEGI1248



| 12 x 48 |

USANEGI2448



| 24 x 48 |

PORCELAIN STONEWARE



USANEPA412



| 4 x 12 |

USANEPABN424



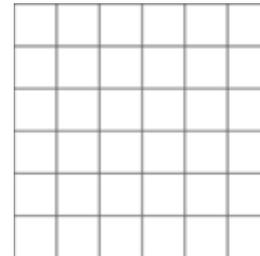
| 4 x 24 bullnose |

USANEPA1224



| 12 x 24 |

USANEPAMOS22



12x12 sheet

| 2 x 2 mosaic |

USANEPAMOSTIZ



10x12 sheet

| tiziano mosaic |

USANEPA1248



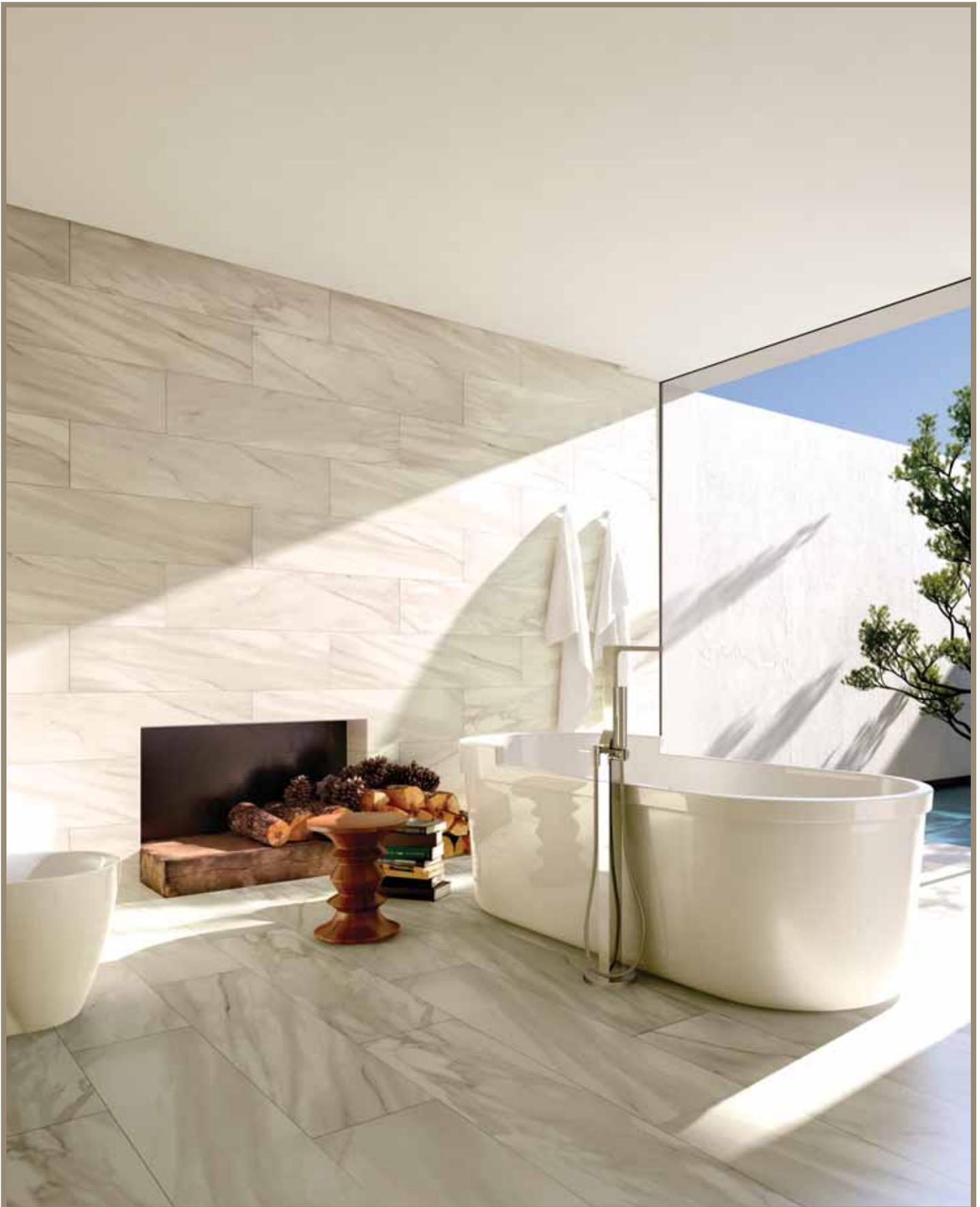
| 12 x 48 |

USANEPA2448



| 24 x 48 |

PORCELAIN STONEWARE



USANEVE412



| 4 x 12 |

USANEVEBN424



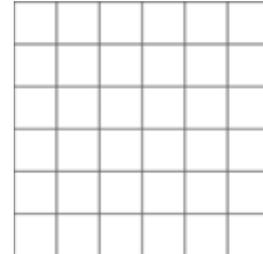
| 4 x 24 bullnose |

USANEVE1224



| 12 x 24 |

USANEVEMOS22



12x12 sheet

| 2 x 2 mosaic |

USANEVEMOSTIZ



10x12 sheet

| tiziano mosaic |

USANEVE1248



| 12 x 48 |

USANEVE2448

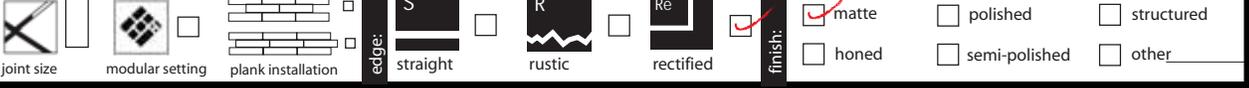


| 24 x 48 |

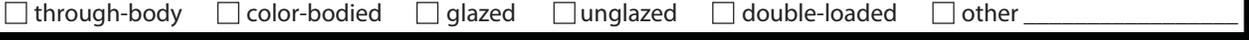
## Suggested Applications



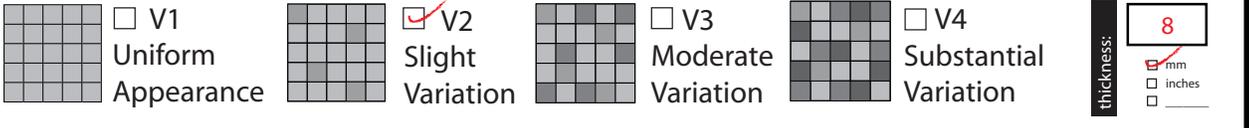
## Installation Suggestions



## Porcelain Type



## Shade Variation



## Slip Resistance

COF (coefficient of friction)	WET		DRY		DIN 51130	DIN 51097	Class	Typical applications	Critical angle
	standard*	result	standard*	result					
accessible routes	.6		.6		<input type="checkbox"/> R9*	3-10°	<input type="checkbox"/> A	Barefoot, but mainly dry aisles and walkways, dry changing areas	≥12°
ramps	.8		.8		<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°
					<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°			

Values: 0-0.50, 0.50-0.60, >0.60  
 Tile Classification: Questionable, Conditionally Slip Resistant, Slip Resistant  
 DCOF: .61  
 \*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  
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.

## 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

## Water Absorption

Water Absorption	Impervious	Vitreous	Semi-Vitreous	Non-Vitreous
ASTM C-373 UNI EN ISO 10545.3	<input checked="" type="checkbox"/> Absorbs 0-.5% Interior/exterior Frost Resistant	<input type="checkbox"/> Absorbs .5-3% Interior/exterior Frost Resistant	<input type="checkbox"/> Absorbs 3-7% Indoor use only	<input type="checkbox"/> Absorbs 7% + 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

	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%	

ASTM c499-09  
UNI EN ISO  
10545.02

## Chemical Resistance

Allowances for:

	result
acid	
bases	
chemicals	

ASTM C650  
UNI EN ISO  
10545.13

## Leed Information

Sustainable Sites	Allowances for:	
	1 Point	2 Points
Site selection SS CREDIT 1 <b>Heat Island Effect-non roof</b> Material with a solar reflectant index of at least 29.	<input type="checkbox"/>	<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"/>	<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"/>	<input type="checkbox"/>
IEQ CREDIT 4.1 <b>Low Emitting Adhesives:</b> Products less than 65 G/L VOC	<input type="checkbox"/>	<input type="checkbox"/>
IEQ CREDIT 4.3 <b>Low Emitting Materials:</b> Flooring systems.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Materials & Resources	1 Point	2 Points
	M&R CREDIT 2 <b>Construction Waste Management:</b> Recycling salvaged construction waste in to new reusable materials.	50% <input checked="" 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 checked="" type="checkbox"/>	20% <input checked="" type="checkbox"/>
M&R CREDIT 5 <b>Regional Materials:</b> Materials manufactured within 500 miles of the project site.	10% <input checked="" type="checkbox"/>	20% <input checked="" type="checkbox"/>
Innovation in Design	1-5 Points	
ID CREDIT 1 <b>Innovation in Design</b> Measurable exemplary environmental performance.	<input type="checkbox"/>	

Type: Porcelain Stoneware  
Product Line: Neostone

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