

# Atlantic

porcelain stoneware

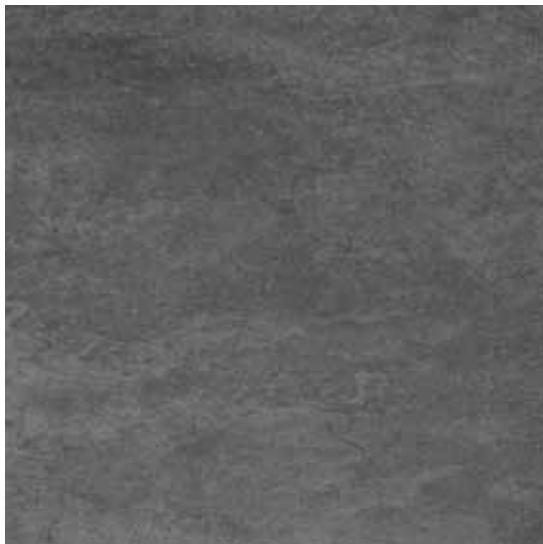


**COBSA-USA**

NEW YORK | NEW JERSEY | MIAMI



COPATAN24



| 24x24 |

COPATAN1224



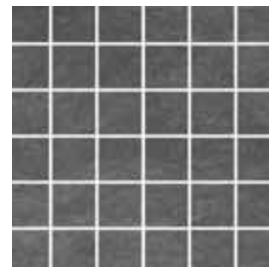
| 12x24 |

COPATANBN324



| 3x24 bullnose |

COPATANMOS22



| 2x2 mosaic |



COPATBL24



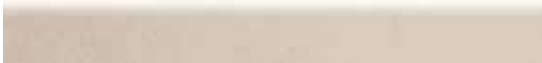
| 24x24 |

COPATBL1224



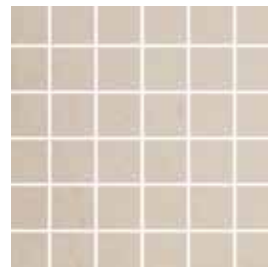
| 12x24 |

COPATBLBN324



| 3x24 bullnose |

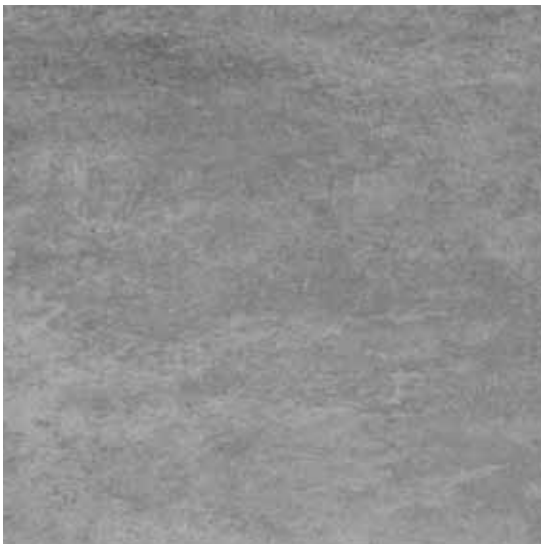
COPATBLMOS22



| 2x2 mosaic |



COPATGF24



| 24x24 |

COPATGF1224



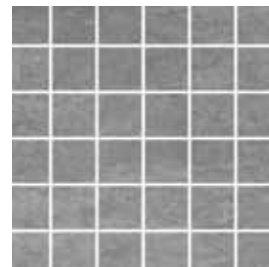
| 12x24 |

COPATGFBN324



| 3x24 bullnose |

COPATGMOS22



| 2x2 mosaic |

PORCELAIN STONEWARE

*Light Gris*



COPATLG24



| 24x24 |

COPATLG1224



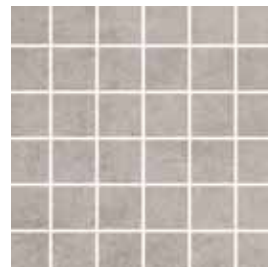
| 12x24 |

COPATLGBN324



| 3x24 bullnose |

COPATLGMOS22



| 2x2 mosaic |

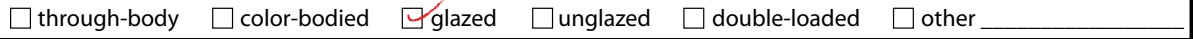
## Suggested Applications



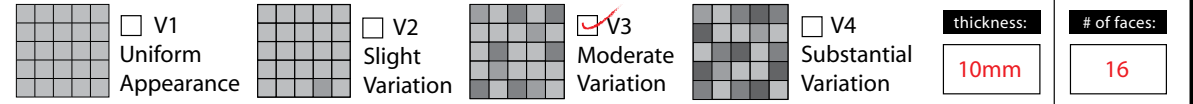
## Installation Suggestions



## Porcelain Type



## Shade Variation



## Slip Resistance



COF	WET		DRY	
	standard*	result	standard*	result
accessible routes	.6		.6	
ramps	.8		.8	

\*Industry Standard/ADA Requirements



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

### DCOF

.61

### DIN 51130

<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°

### DIN 51097

Class	Typical Applications	Critical Angle
<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  
DIN 51097/51130

## Scratch Resistance



MOH'S SCALE **5**  
UNI EN ISO  
10545.6

### Mineral

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

Industry standard ≤175mm<sup>2</sup>

## 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**

- 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



Absorbs 0-.5%

**Impervious**  
Interior/exterior  
Frost Resistant



Absorbs .5-3%

**Vitreous**  
Interior/exterior  
Frost Resistant



Absorbs 3-7%

**Semi-Vitreous**  
Indoor use only



Absorbs 7% +

**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/MM<sup>2</sup>

## 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	<input checked="" type="checkbox"/>
bases	<input checked="" type="checkbox"/>
chemicals	<input checked="" type="checkbox"/>

## Leed Information



REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

### Sustainable Sites

Site selection

- SS CREDIT 1  
**Heat Island Effect-non roof**  
Material with a solar reflectant index of at least 29.

### Energy & Atmosphere

- EA CREDIT 4  
**Green Power:** Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT

### Indoor Environmental Quality

Low-Emitting Materials-Flooring Systems

- IEQ CREDIT 3.1-7  
**Green Cleaning:** Reducing occupants exposure to hazardous cleaning chemicals.

- IEQ CREDIT 4.1  
**Low Emitting Adhesives:** Products less than 65 G/L VOC

- IEQ CREDIT 4.3  
**Low Emitting Materials:** Flooring systems.

**1 Point**



**1 Point**



**1 Point**



### Materials & Resources

- M&R CREDIT 2  
**Construction Waste Management:** Recycling salvaged construction waste in to new reusable materials.

- 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.

- M&R CREDIT 5  
**Regional Materials:** Materials manufactured within 500 miles of the project site.

### Innovation in Design

- ID CREDIT 1  
**Innovation in Design**  
Measurable exemplary environmental performance.

**1 Point**

50%

10%

10%

**2 Points**

70%

20%

20%

**1-5 Points**



Type:  
Porcelain Stoneware

Product Line:  
Atlantic

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