



# Roman Travertine

rectified porcelain stoneware



TILE - PORCELAIN - STONE - MOSAICS - GLASS

**COBSA-USA**

NEW YORK | NEW JERSEY | MIAMI

RECTIFIED PORCELAIN STONEWARE

# Argento

USA RTAR 848



| 8 x 48 |

USA RTAR 2448



| 24 x 48 |

USA RTAR BN424



bullnose | 4 x 24 |

USA RTAR 1224



| 12 x 24 |

USA RTAR MOS62



mosaic | 6 x 2 |

USA RTAR MOS22



mosaic | 2 x 2 |

RECTIFIED PORCELAIN STONEWARE

# Bianco

USA RTBI 848



| 8 x 48 |

USA RTBI 2448



| 24 x 48 |

USA RTBI BN424



bullnose | 4 x 24 |

USA RTBI 1224



| 12 x 24 |

USA RTBI MOS62



mosaic | 6 x 2 |

USA RTBI MOS22



mosaic | 2 x 2 |

RECTIFIED PORCELAIN STONEWARE

# Grigio



Grigio • 8x48

USA RTGR 848



| 8 x 48 |

USA RTGR 2448



| 24 x 48 |

USA RTGR BN424



bullnose | 4 x 24 |

USA RTGR 1224



| 12 x 24 |

USA RTGR MOS62



mosaic | 6 x 2 |

USA RTGR MOS22



mosaic | 2 x 2 |

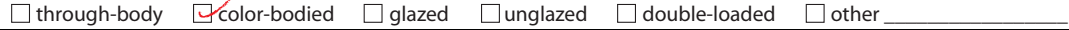
## Suggested Applications



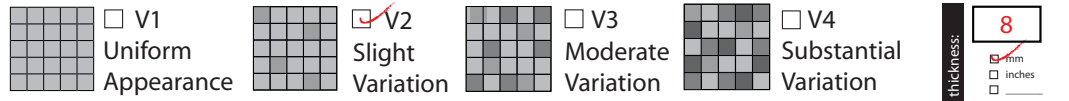
## Installation Suggestions



## Porcelain Type



## Shade Variation



## Slip Resistance

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

Values: 0-0.50, 0.50-0.60, >0.60  
Tile Classification: Questionable, Conditionally Slip Resistant, Slip Resistant  
\*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 ≤175mm<sup>2</sup>

MOH'S SCALE 7  
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.

PEI RATING  
UNI EN ISO 10545.7

## 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

## Water Absorption

Impervious	Vitreous	Semi-Vitreous	Non-Vitreous
<input type="checkbox"/> Absorbs 0-.5%	<input type="checkbox"/> Absorbs .5-3%	<input type="checkbox"/> Absorbs 3-7%	<input type="checkbox"/> Absorbs 7% +
Interior/exterior Frost Resistant	Interior/exterior Frost Resistant	Indoor use only	Indoor use only

ASTM C-373  
UNI EN ISO 10545.3

## Breaking Strength

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

ASTM C648  
UNI EN ISO 10545.4

## Facial Dimension

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

ASTM c499-09  
UNI EN ISO 10545.02

## Chemical Resistance

Allowances for:

	result
acid	<input type="checkbox"/>
bases	<input type="checkbox"/>
chemicals	<input type="checkbox"/>

ASTM C650  
UNI EN ISO 10545.13

## Leed Information

REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

Sustainable Sites	Allowances for:	Materials & Resources	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.	1 Point	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"/>
Energy & Atmosphere EA CREDIT 4 <b>Green Power:</b> Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	1 Point	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 checked="" type="checkbox"/>
Indoor Environmental Quality Low-Emitting Materials-Flooring Systems IEQ CREDIT 3.1-7 <b>Green Cleaning:</b> Reducing occupants exposure to hazardous cleaning chemicals.	1 Point	M&R CREDIT 5 <b>Regional Materials:</b> Materials manufactured within 500 miles of the project site.	10% <input type="checkbox"/>	20% <input checked="" type="checkbox"/>
IEQ CREDIT 4.1 <b>Low Emitting Adhesives:</b> Products less than 65 G/L VOC	<input type="checkbox"/>	<b>Innovation in Design</b> ID CREDIT 1 <b>Innovation in Design</b> Measurable exemplary environmental performance.	1-5 Points	
IEQ CREDIT 4.3 <b>Low Emitting Materials:</b> Flooring systems.	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	

Type: Porcelain Stoneware

Product Line: Roman Travertine

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