

# Barnyard

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*Inspired By Nature,  
Made Possible By...*

**CANCOS**  
TILE & STONE



COPBABL636



COPBAGR636





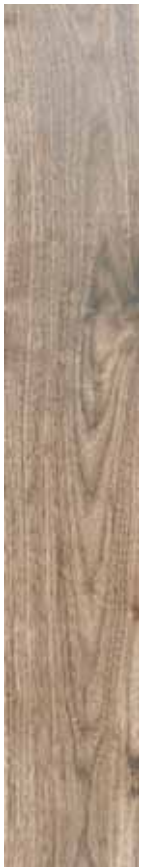
COPBANA636



| 6 x 36 |



COPBAVI636



| 6 x 36 |

## Suggested Applications



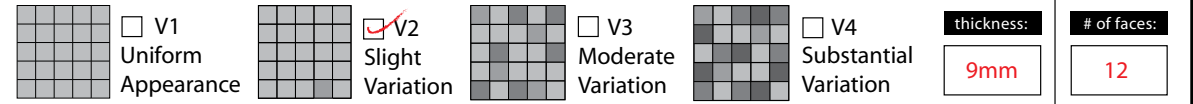
## Installation Suggestions



## Porcelain Type



## Shade Variation



## Slip Resistance



COF	WET		DRY		DCOF
	standard*	result	standard*	result	
accessible routes	.6	.77	.6	.88	.67
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

ASTM C-1028  
DIN 51097/51130

## DIN 51130

Class	Typical Applications	Critical Angle
<input checked="" type="checkbox"/> R9*	3-10°	≥12°
<input type="checkbox"/> R10	10-19°	
<input type="checkbox"/> R11	19-27°	≥18°
<input type="checkbox"/> R12	27-35°	
<input type="checkbox"/> R13	>35°	≥24°

## DIN 51097

Class	Typical Applications	Critical Angle
<input checked="" 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°

## Scratch Resistance



MOH'S SCALE **7**  
UNI EN ISO 10545.6

## Mineral

- Talc (Talc)
- Gypsum (Fingernail)
- Calcite (Penny)
- Flourite (Some Marbles)
- Apatite (Knife Blade)
- Microline (Glass, Glazed Tile)
- Quartz (Unglazed Porcelain)
- Topaz (Granite)
- Corundum (Ruby)
- 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**

- 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

## Water Absorption

ASTM C-373  
UNI EN ISO 10545.3



Absorbs 0-.5%  
**Impervious**  
Interior/external  
Frost Resistant



Absorbs .5-3%  
**Vitreous**  
Interior/external  
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%	-0.08%
thickness	±6mm	±.5%	-4%
straightness	±4.5mm	±.5%	-0.05%
squareness	±5.4mm	±.6%	-0.10%
sides L/W	±1.1mm ±4.5mm	±.5%	-0.05%

## Chemical Resistance

ASTM C650  
UNI EN ISO 10545.13

Allowances for:

	result
acid	GLA
bases	GLA
chemicals	GA

## Leed Information



REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

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

Type: Porcelain Stoneware

Product Line: Barryard

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