

# Birch

porcelain stoneware





CENIZA

COPBICE830



| 8 x 30 |



СОПБИНА830



| 8 x 30 |





COPBINA830



| 8 x 30 |



COPBINO830



| 8 x 30 |





PEARL

COPBIPE830



| 8 x 30 |



COPBITA830



| 8 x 30 |

# 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 2mm

\*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: 8mm # OF FACES: 30

# Slip Resistance

| DCOF                                     | Values | Applications  | DIN 51097 | Critical Angle |
|--|--------|---|-----------|----------------|
| <input checked="" type="checkbox"/> .45  | 0.42   | Recommended Standard DCOF value for wet/dry commercial flooring | Class A   | ≥12°           |
| <input checked="" type="checkbox"/> 0.65 | 0.65   | Recommended Standard DCOF value for ADA ramps                   | Class B   | ≥18°           |
|  |        |   | Class C   | ≥24°           |

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°)

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

**6**

# 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

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

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# 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<br>Interior/Exterior<br>Frost Resistant | Vitreous<br>Interior/Exterior<br>Frost Resistant | Semi-Vitreous<br>Indoor Use Only      | Non-Vitreous<br>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%     |        |
| 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"/> A |
| Bases     | <input checked="" type="checkbox"/> A |
| Chemicals | <input checked="" type="checkbox"/> A |

# Leed Information



REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

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

Type: **Porcelain Stoneware**  
 Product Line: **BIRCH**

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