

CAMBRIDGE OAK



CAMBRIDGE

live inspired





EMBRACES THE LIFELIKE LOOK AND FEEL OF NATURALLY GRAINED AND WHORLED WOOD

Cambridge Oak by Ragno USA requires a second look, probably even a touch, to be positive that it's not real wood. Brand new 36" lengths rectified to widths of both 6" and 9" combine with realistic surface graining and color shadings, compliments of 3d digital print technique. The result is the beauty of prominent oak graining with all the benefits of porcelain . . . and none of the maintenance headaches.

This color body porcelain's eco-friendly characteristics of low life cycle costs, no VOCs, 21% recycled content and no-harsh-chemical maintenance meld perfectly with the warm, classic wood face of Cambridge Oak. Shades and veining differ from piece to piece, ensuring there's no cookie-cutter look. Instead a natural, variegated surface readily meshes with the preferred colors and building materials of today's residential and commercial customers.

CREATES VISUAL MOVEMENT ACROSS SURFACES

Clean lines and rectified precision create visual movement across both floors and walls. A dramatic range of colors from Cambridge Oak Black, Cambridge Oak Brown to Cambridge Oak Natural provide architects, designers and homeowners alike with plenty of building blocks.

The strength and durability of porcelain goes boldly and without special treatment where wood normally can't – bath and shower areas, patios, countertops, exterior facades – and lasts there for many years without sealing or painting. There is no fading or color loss; the texture does not erode and does not require sanding or staining. It's wood, only better!









6" x 36" Rectified
9" x 36" Rectified



Cambridge Oak Black

Cambridge Oak Brown



AL6P Black
6"x36" Rectified

AL6S Black
9"x36" Rectified

AL6Q Brown
6"x36" Rectified

AL6T Brown
9"x36" Rectified

6" x 36" Rectified
9" x 36" Rectified



Cambridge Oak Natural



AL6R Natural
6"x36" Rectified



AL6U Natural
9"x36" Rectified



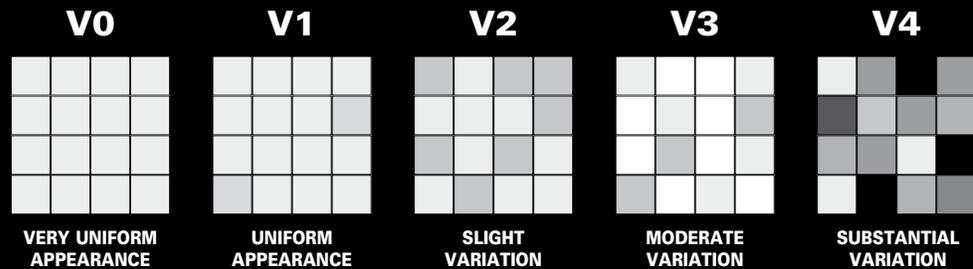
Ragno's state-of-the-art 3d printing technique, uses the latest in digital print technology, allowing for infinite design capabilities unique to Ragno. Ragno is the only manufacturer in the US that can do digital print up to 360 dpi, direct to tile. At this maximum resolution and with the unique grayscale printing technique, Ragno reaches finer, crisper and smoother definition for printed designs than other digital products. A stunning palette of more than 100 square feet with no repetition, at maximum resolution.

SHADE VARIATIONS

The color and shade of all tiles vary to some degree. This variance can be from piece to piece and can also occur from production run to production run.

American National Standard Specifications for Ceramic Tile (ANSI) has implemented a guide that rates ceramic tile on a five-point scale and ranges from V0 through V4.

Instituting the ANSI's color shade variation guidelines you will reduce customer complaints and sell the unique and individual beauty of each ceramic tile.



V0 Very Uniform Appearance

Pieces of the same shade value are very uniform and smooth in texture.

V1 Uniform Appearance

Differences among pieces from the same production run are minimal.

V2 Slight Variation

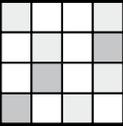
Clearly Distinguishable differences in texture and/or pattern within similar colors.

V3 Moderate Variation

While the colors and/or texture present on a single piece of tile will be indicative of the colors and/or texture to be expected on the other tiles, the amount of colors and/or texture on each piece may vary significantly. It is recommended that the range be viewed before selection.

V4 Substantial Variation

Random color and/or texture differences from tile to tile, so that one tile may have totally different colors and/or texture from that on other tiles. Thus, the final installation will be unique. It is recommended that the range be viewed before selection.

SHADE VARIATION AND APPLICATIONS				
V3  MODERATE VARIATION		Residential	Commercial	Industrial
	Floor	•	•	
	Wall	•	•	•
	Countertop	•	•	•

Water, oil, grease, or other fluids create slippery conditions. Floors with exposure to these conditions require extra caution in product selection and proper maintenance.

CARE & MAINTENANCE

Cambridge Oak is a stain-resistant porcelain tile. Routine maintenance will keep your tile looking new for years to come.

Ragno USA's products are typically easy to install and maintain using the following general guidelines:

- Choose tile from same dye lot and caliber whenever possible
- Select tile alternately from several boxes and rotate when installing
- Follow industry-accepted installation practices as detailed by Tile Council of America "Handbook for Ceramic Tile Installation" or those recommended by the Ceramic Tile Institute of America
- Remove all grout residue promptly after application; neither acid cleaning nor sealing is recommended
- Clean regularly with clear water and/or a neutral (soapless) cleaner, wipe dry to lessen slippery conditions

TECHNICAL SPECIFICATIONS

DESCRIPTION	ANSI STANDARD	RESULT	ASTM TEST METHOD
Water Absorption	≤ 0.50%	≤ 0.50%	C 373
Frost Resistance	As Reported	Resistant	C 1026
Scratch Resistance	MOHS 1-10	7.5	MOHS SCALE
Breaking Strength	9"x36"	≥ 250 lbf.	≥ 513 lbf.
	6"x36"	≥ 250 lbf.	≥ 367 lbf.
Facial Dimension	-3.0 % ≤ Nominal ≤ 2.0 %	WinthinStandard	C 648
Thickness	≤ 0.04 in (1.02 mm max)	WinthinStandard	C 499
Wedging (Squareness)	+/- 0.25 % or +/- 0.8 mm*	WinthinStandard	C 499
Warpage Edge (Flatness)	+/- 0.40 % or +/- 1.8 mm*	WinthinStandard	C 508
Abrasion Resistance	Class 0 - Class V	Class IV	C 485
DCOF - Dynamic Coefficient of Friction (Wet Areas Only) [†]	As Reported	Minimum 0.42	DCOF AcuTest SM *
SCOF-Static Coefficient of Friction (Wet)	As Reported	0.60 ≤ SCOF <0.70	C 1027
SCOF-Static Coefficient of Friction (Dry)	As Reported	0.80 ≤ SCOF <0.90	C 1028
Chemical Resistance	Class A - Class E	Class A	C 1028
Stain Resistance	Class A - Class E	Class B	C 650

[†]Dynamic Coefficient of Friction (DCOF) - Water, oil, grease or other fluids create slippery conditions. When installing floors in areas with exposure to these conditions, a minimum D.C.O.F. value of 0.42 is required. Additionally, extra caution is required with regards to product selection and proper maintenance. Visit www.tcnatile.com for complete information regarding the DCOF Acutest test method and values.

*DCOF AcuTest is the industry designation for the test procedure contained in ANSI A137.1 Section 9.6, which has been extensively researched, allows for in-situ field measurements, and is in use at tile manufacturing facilities. It was so named to distinguish it from other DCOF measurements using different instruments and/or protocols.

** Whichever is less

PACKAGING

	SIZE	THICKNESS	BOX			PALLET		
			PCS	SQ FT	LBS	BOXES	SQ FT	LBS
Floor Tile	9"x36" R	3/8"	06	13.01	63.00	36	468.36	2323.00
Floor Tile	6"x36" R	3/8"	09	12.75	63.00	39	497.25	2512.00



Floor Tile



Wall Tile



3d Printing Technique



Rectified Tile



Suitable for Outdoors



Moderate Variation



Frost Resistant



Abrasion Resistance



D.C.O.F. (Wet Areas) (Minimum 0.42)



S.C.O.F. (Wet) (Valid Through 12-31-2013)



S.C.O.F. (Dry) (Valid Through 12-31-2013)



21% Minimum Pre-Consumer Recycled Content



No VOC

made in the USA



Contributes to LEED Credits



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