

MADE IN THE USA



CALABRIA

 PRINTING TECHNIQUE |
GLAZED PORCELAIN STONEWARE









CALABRIA showcases the regal shading and clefting of natural slate

CALABRIA showcases the regal shading and clefting of natural slate in large-format, glazed porcelain stoneware. So enticing are the three-dimensional textures and crevices on its structured surface that the impulse to touch is overwhelming. Rich color combinations and muddled effects create myriad distinct faces on each color in the series.

CALABRIA is brought to life using Ragno's state-of-the-art 3-d printing technique, using 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.



Calabria BI





CALABRIA

3D PRINTING TECHNIQUE
GLAZED PORCELAIN STONEWARE

20"x20"
13"x13"
12"x24"
6 1/2"x6 1/2"

3d digital
design
definition



AK3Q Calabria BR
12"x24"



AK3M Calabria BR
20"x20"



AK3T Calabria BR
6 1/2"x6 1/2"



AK3J Calabria BR
13"x13"



AK3R Calabria BL
12"x24"



AK3N Calabria BL
20"x20"



AK3U Calabria BL
6 1/2"x6 1/2"



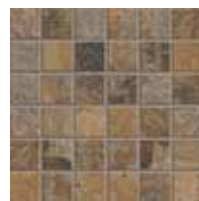
AK3K Calabria BL
13"x13"



AK3Z Calabria BR
Mosaic - Square 2"x2"
13"x13"



AK34 Calabria BR
Brick Liner
13"x13"



AK32 Calabria BL
Mosaic - Square 2"x2"
13"x13"



AK35 Calabria BL
Brick Liner
13"x13"

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20"x20"
13"x13"
12"x24"
6 1/2"x6 1/2"



AK3S Calabria BI
12"x24"



AK3P Calabria BI
20"x20"



AK3V Calabria BI
6 1/2"x6 1/2"



AK3L Calabria BI
13"x13"



AK33 Calabria BI
Mosaic - Square 2"x2"
13"x13"



AK36 Calabria BI
Brick Liner
13"x13"

TRIMS

BULLNOSE



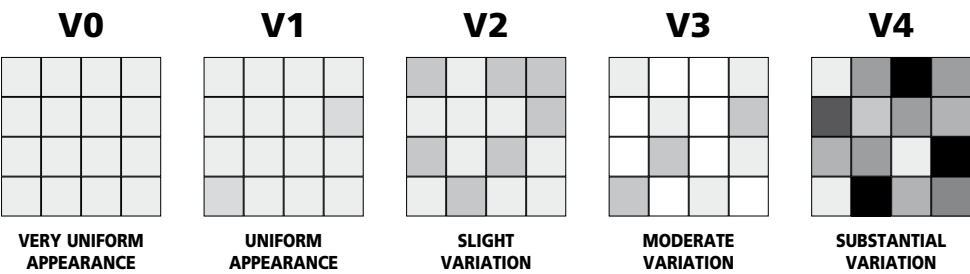
AK3W Calabria BR
AK3X Calabria BL
AK3Y Calabria BI
3"x13"

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.



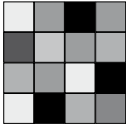
V0 Very Uniform Appearance
Pieces of the same shade value are very uniform and smooth in texture.

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				
<div>V4  SUBSTANTIAL VARIATION</div>		Residential	Commercial	Industrial
	Floor	•	•	
	Wall	•	•	•
	Countertop	•	•	•
	Pool	•	•	•

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

Calabria 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%	C373
Frost Resistance	As Reported	Resistant	C1026
Scratch Resistance	MOHS 1-10	8	MOHS SCALE
Breaking Strength	20"x20"	≥ 250 lbf.	≥ 605 lbf.
	12"x24"	≥ 250 lbf.	≥ 735 lbf.
	13"x13"	≥ 250 lbf.	≥ 407 lbf.
Facial Dimension	- 3.0 % < Nominal ≤ 3.0 %	Within Standard	C499
Thickness	≤ 0.04 in (1.02 mm max)	Within Standard	C499
Wedging (Squareness)	+/- 0.50 % or 2.0 mm*	Within Standard	C502
Warpage (Flatness)	+/- 0.75 % or 2.3 mm*	Within Standard	C485
Abrasion Resistance	Class 0 - Class V	Class IV	C1027
C.O.F. (Wet)	As Reported	0.70 ≤ COF < 0.80	C1028
C.O.F. (Dry)	As Reported	0.80 ≤ COF < 0.90	C1028
Chemical Resistance	Class A - Class E	Class A	C650
Stain Resistance	Class A - Class E	Class A	C1378

* Whichever is less

PACKAGING

	SIZE	THICKNESS	BOX			PALLET		
			PCS	SQ FT	LBS	BOXES	SQ FT	LBS
Modular Tile	13"x13"	5/16"	13	15.52	58.00	44	682.88	2552.00
Modular Tile	6 1/2"x6 1/2"	5/16"	36	10.55	42.00	51	538.05	2142.00
Field Tile	12"x24"	7/16"	05	9.69	55.00	40	387.60	2200.00
Field Tile	20"x20"	7/16"	06	16.15	84.00	24	387.60	2016.00
Mosaic Square - 2"x2"	13"x13"	Compatible	10		39.00			
Brick Liner	13"x13"	Compatible	09		46.00			
Bullnose	3"x13"	Compatible	20		21.00			



Field Tile



Wall Tile



Modular Tile



3d Printing Technique



Decorative Tile



Trim Available



Suitable for Outdoors



Substantial Variation



Frost Resistant



Meets ADA Recommendations



Abrasion Resistance



C.O.F. (Wet)



C.O.F. (Dry)



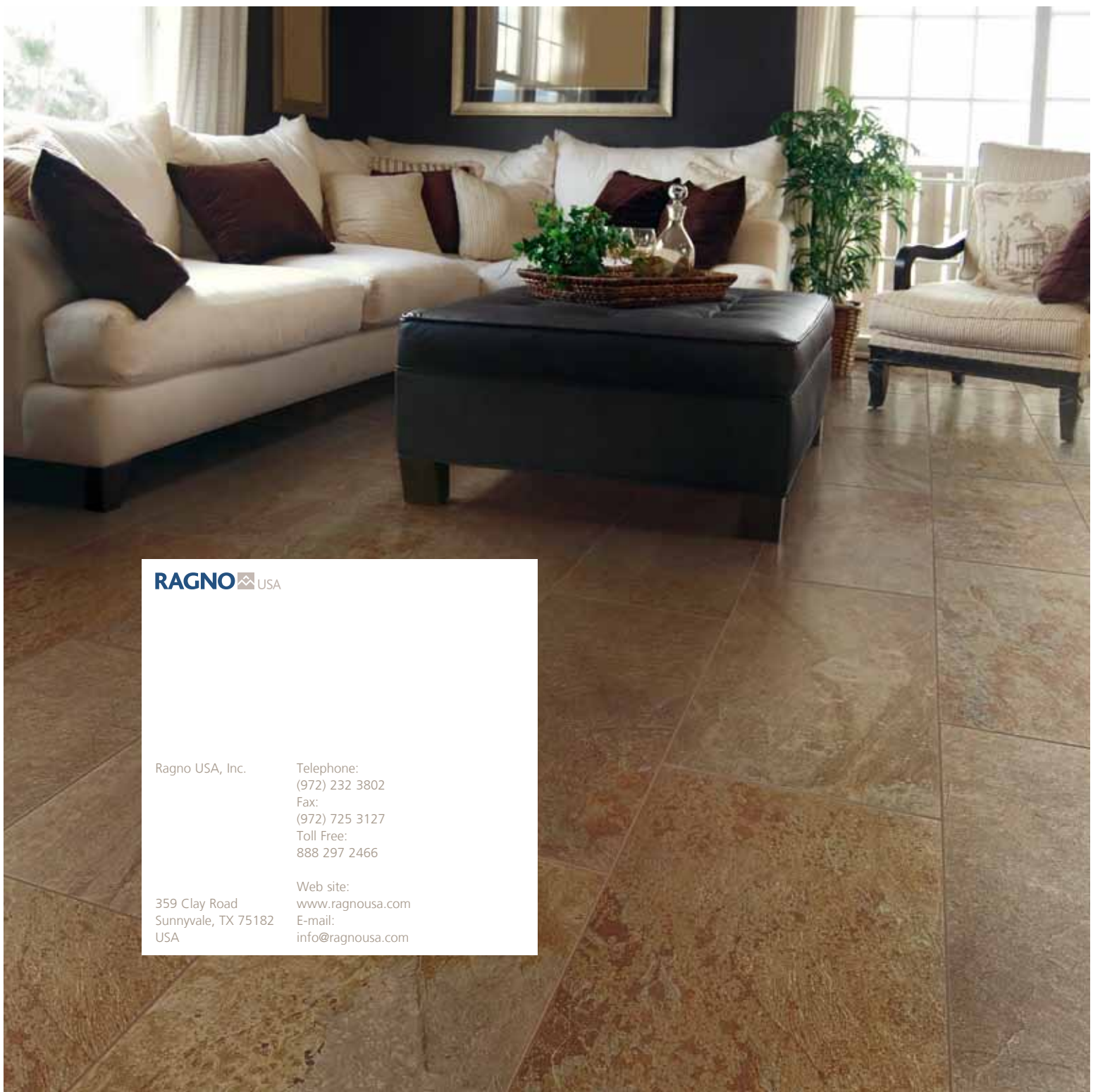
21% Minimum Pre-Consumer Recycled Content



Certified No VOC



Contributes to
LEED Credits



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