

DEBRIS SERIES RECYCLED TILE

PRODUCT SPECIFICATIONS

Updated: March 2010

PHYSICAL QUALITIES

Our Debris Series Recycled Ceramic Tile is the most beautiful, sustainable ceramic tile made. We manufacture the Debris Series in our Northern California day-lit factory using locally sourced materials. Our tile is of the highest quality and durability, and it is appropriate for numerous applications including:

- Interiors and exteriors
- Warm and cold climates (frost resistant but not frost proof. *Please Contact Us for particular outdoor applications*)
- Floors (both commercial and residential; matte glazes recommended for flooring)
- Walls, counters, vertical and horizontal surfaces
- Showers and baths

Physical Properties:

Water Absorption (pre-glazed)	6.85% (semi-vitreous)
Physical Dimensions:	4 1/4" x 4 1/4"
Thickness:	~3/8"
Weight:	4.5lb per sq. ft.
Recommended Grout Line:	varies: 1/8" - 3/16"
Breaking Strength	381 lbs
Scratch Hardness	6.0 mohs
Coefficient of Friction	0.69 (dry), 0.52 (dry)

COLOR VARIATION

Because of Fireclay Tile's handmade glaze-processes, variations in color may occur. Variation is graded V1 -V4.

- 1: Little color variation
- 2: Subtle tonal shifts
- 3: Tonal and subtle hue shifts.
- 4: High tonal and hue shifts.

Note: Please call for samples for V3 or V4 rated colors.

DEBRIS GLAZE COLOR FINISHES

Gloss: Shiny, semi-reflective sheen

Matte: Matte surface with light sheen differences

Engobe: White undercoating used to highlight certain glazes.

- Engobe and non-engobe glazes can not be mixed for multi-color Cuerda Seca or Raised decoratives.

Note: Glazes with abrasive grit are available.

ACID RESISTANCE

Fireclay glaze colors marked "Yes" are acid sensitive. Use only acid resistant glazes on countertop surfaces or bathroom areas where products or substances with acidic ingredients will come into repeat / prolonged contact with tile. Acids may also cause discoloration.

OVERVIEW & MANUFACTURING

Debris Series Product Information

- Handmade of over 60% recycled content, including post-consumer waste up-cycled from curbside-recycled glass bottles, and other manufacturer's pre-consumer waste including waste granite dust and spent abrasives.
- Available in over 112 glaze colors (No lead, no VOCs).
- Available in almost all field sizes and huge selection of moldings, trims, ropes, and decorative tiles.

Manufacturing

- Our Debris Series tile is made by us in our Northern California factory. We have a sustainable handmade tile plant that recycles almost all waste-water and glaze materials and operates within a day-lit factory.
- Each order is unique and made by Fireclay for you.

INDUSTRY CERTIFICATIONS

ANSI A-137.1-1988

- The Debris Series conforms to these requirements.
- The Debris Series contains over 60% recycled materials.
- Other clay body material is California Clay. All tile is made in our own Northern California factory.

ANSI A118-1999

- Use appropriate installation mortars according to ANSI A118-1999. Sizes are produced from 1"x1" to 12"x12" and are 3/8" thick.

Grouting Specifications

- 3/16" grout lines are recommended for tiles under 6"x6".
- 1/4" grout lines are recommended for 8"x8" tiles.
- 3/8" grout lines are recommended for 12"x12" tiles.
- Select liquid latex grout per ANSI A118.3, A118.5, A118.6, A118.7, or A118-1999.

Tile is extruded. Tile size variance from 1/16" to 1/8" can be expected.

DEBRIS SERIES CONVERSION CHART

Updated: January 2010; Assumes 1/16" grout line for measurements.

Tile Size (in.)	Tiles per SF	Tile Size (in.)	Tiles per SF
1x1	164	3x6	8
1x2	76	3x12	4
1x4	33	4x4	8
1x6	24	4x6	6
2x2	36	4x8	4
2x4	17	6x6	4
2x6	12	6x12	2
2x8	9	8x8	2.25
3x3	16	12x12	1
3" Hexagon	19	6" Hexagon	4
4" Hexagon	12	4x6 Rhomboid	8.75

Note: We will round up to the nearest whole number for your order.

Like other handmade tile, individual tile sizing may vary



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Updated: March 2010

Debris Glaze Color	Color Variation	White	Acid Sensitive ³	Crazing & Crackle ⁴	
	Rating ¹	Engobe ²			Finish
Adobe Brown	4	yes	gloss	no	light
Akoya	1	no	gloss	no	
Aztec Rose	3	yes	gloss	no	light
Bamboo Matte	4	no	matte	no	
Biscuit Matte	3	no	matte	no	
Black Gloss	1	no	gloss	no	
Brown Bear Satin	2	no	matte	no	
Brown Paper Bag	2	no	gloss	no	
Bryce Canyon	3	yes	gloss	no	light
Bubble Gum Matte	3	no	matte	no	
Butter Cream	1	no	gloss	no	
Butter Toffee	2	no	gloss	no	
Cancun Blue	3	yes	gloss	no	medium
Cancun Green	3	yes	gloss	no	medium
Caramel	2	no	gloss	no	
Carbon Matte	3	no	matte	no	
Caribbean	3	yes	gloss	no	light
Charcoal Matte	2	no	matte	no	
Chartreuse	3	no	gloss	no	
Cinnamon	2	no	gloss	no	
Clear Lake	4	no	gloss	yes	light
Clover Matte	3	no	matte	no	
Coral	3	yes	gloss	no	light
Corn	4	yes	gloss	no	medium
Cornflower Matte	3	no	matte	no	
Craftsmen Green	3	no	matte	no	
Crater Lake	3	yes	gloss	no	light
Cyclone	3	yes	gloss	no	light
Daffodil	2	no	gloss	no	
Dark Choc. Satin	2	no	matte	no	
Delta Blue	3	no	matte	no	
Demitasse	2	no	gloss	no	
Denim	3	no	matte	no	
Emerald Green	4	no	gloss	yes	
Evergreen	2	no	matte	no	
Fennel	4	yes	gloss	no	medium
Fossil	4	yes	gloss	no	light
Frost	4	yes	gloss	no	medium
Gobi	4	yes	gloss	no	medium
Goldenrod	2	no	gloss	no	
Gooseberry Matte	3	no	matte	no	
Grand Mesa Matte	3	no	matte	no	
Grape Kiss	1	no	gloss	no	
Graystone	1	no	gloss	no	
Honeycomb	4	yes	gloss	no	
Honey Gloss	4	no	gloss	no	heavy
Huckleberry	2	no	gloss	no	
Indian Peach Matte	3	no	matte	no	
Indigo	2	no	gloss	no	
Jade	2	no	gloss	no	
Kelp	4	no	gloss	no	heavy
Keystone Matte	3	no	matte	no	
Kiwi	4	yes	gloss	no	medium
Lapis Gloss	2	no	gloss	no	
Larkspur Matte	3	no	matte	no	
Lavender Gloss	1	no	gloss	no	

Debris Glaze Color	Color Variation	White	Acid Sensitive ³	Crazing & Crackle ⁴	
	Rating ¹	Engobe ²			Finish
Lavender Matte	3	no	matte	no	
Lemon Cream	2	no	gloss	no	
Lichen	2	no	gloss	no	
Light Camel Matte	4	no	matte	no	
Limon	3	no	gloss	no	
Maize Matte	3	no	matte	no	
Malt	4	yes	gloss	no	medium
Malt Shake Matte	3	no	matte	no	
Merlot	2	no	gloss	no	
Mica	4	yes	gloss	no	light
Milk Choc. Satin	2	no	matte	no	
Milky Way	1	no	gloss	no	
Mint Satin	3	no	matte	no	
Monterey Bay Matte	3	no	matte	no	
Nautical	3	yes	gloss	no	light
Navy Blue Gloss	2	no	gloss	no	heavy
Noble Fir	4	yes	gloss	no	
Nougat Matte	3	no	matte	no	
Oatmeal Matte	3	no	matte	no	
Orange Zest	2	yes	gloss	no	light
Pampas Grass	4	yes	gloss	no	heavy
Peabody	2	no	gloss	no	
Peanut Butter Matte	3	no	matte	no	
Petunia Satin	3	no	matte	no	
Pine Grove Matte	3	no	matte	no	
Plum	1	no	gloss	no	
Pumpkin Matte	4	no	matte	no	
Rainy Day	1	no	gloss	no	
Royal Blue	3	yes	gloss	no	light
Saddle Brown Gloss	2	no	gloss	no	light
Sage Green	2	no	gloss	no	
Sapphire	2	no	gloss	no	
Sea Blue	3	yes	gloss	no	light
Sea Green	3	yes	gloss	no	light
Sea Kelp	2	no	gloss	no	
Shamrock Matte	3	no	matte	no	
Shitaki	4	yes	gloss	no	medium
Silver Lilac	3	no	matte	no	
Sky Blue	3	yes	gloss	no	light
Skye Satin	3	no	matte	no	
Slate Blue	3	yes	gloss	no	
Spanish Moss	4	yes	gloss	no	heavy
Spice Matte	4	no	matte	no	
Spruce Gloss	3	no	gloss	no	
Tender Grey	1	no	gloss	no	
Tomato Red	4	no	gloss	no	
Toulumne Meadows	4	yes	gloss	no	light
Turquoise	2	no	gloss	no	
Tusk	1	no	gloss	no	
Umber Satin	3	no	matte	no	
Venetian Green	3	yes	gloss	yes	light
Wetlands	4	yes	gloss	no	heavy
Wheat Gloss	2	no	gloss	no	
White Gloss	1	no	gloss	no	
White Matte	3	no	matte	no	
Wine Mist Satin	3	no	matte	no	

1) **Color Variation Rating:** Glazes are rated V1 to V4 to indicate potential amount of variation that may occur. We recommend samples for V3 & V4 glazes.

2) **White Engobe:** Engobed and non-engobed glazes can not be mixed together for Cuerda Seca or Raised multi-color decoratives.

3) **Acid Sensitive:** Fireclay glaze colors marked "Yes" are acid sensitive. Use only non-acid sensitive glazes in areas where acidic products may be present.

4) **Crazing & Crackle:** Debris cracked glazes should be sealed to prevent mildew. Crazing may occur over time and is part of the inherent beauty of our tiles.