

# DEBRIS SERIES RECYCLED TILE

## PRODUCT SPECIFICATIONS

Updated: January 2011

### 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:	3/16"
Breaking Strength	381 lbs
Scratch Hardness	6.0 mohs
Coefficient of Friction	0.69 (dry), 0.52 (dry)

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

### COLOR VARIATION

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

**Gloss (w/ Engobe):** White undercoating accentuates colors

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

**Satin Matte:** Matte surface with light sheen differences

*Note: Glazes with abrasive grit are available for flooring applications*

### ACID RESISTANCE

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

### Debris Series Conversion Chart

*Updated: January 2010. Tiles per SF calculation assumes grouted installation*

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*

## 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.



FIRECLAY TILE

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## 2011 DEBRIS SERIES GLAZE COLORS

Color	Color Variation	Finish	Acid Sensitive	Crazing	Pool / Backsplash	Flooring	Sealing Required
Adobe Brown	4	Gloss (w/ Engobe)		medium	yes		
Akoyesa	1	Gloss		light	yes		
Aztec Rose	3	Gloss (w/ Engobe)		light	yes		
Bamboo Matte	4	Satin Matte		light	yes	yes	
Biscuit Matte	3	Satin Matte		light	yes	yes	
Black Gloss	1	Gloss		light	yes		
Brown Bear Satin	2	Satin Matte		light	yes	yes	
Brown Paper Bag	2	Gloss		light	yes		
Bryesce Canyeson	3	Gloss (w/ Engobe)		light	yes		
Bubble Gum Matte	3	Satin Matte		light	yes	yes	
Butter Cream	1	Gloss		light	yes		
Butter Toffee	2	Gloss		light	yes		
Cancun Blue	3	Gloss (w/ Engobe)		light	yes		
Cancun Green	3	Gloss (w/ Engobe)		light	yes		
Caramel	2	Gloss		light	yes		
Carbon Matte	3	Satin Matte		light	yes	yes	
Caribbean	3	Gloss (w/ Engobe)		light	yes		
Charcoal Matte	2	Satin Matte		light	yes	yes	
Chartreuse	3	Gloss		light	yes		
Cinnamon	2	Gloss		light	yes		
Clear Lake	4	Gloss	yes	light			
Clover Matte	3	Satin Matte		light	yes	yes	
Coral	3	Gloss (w/ Engobe)		light	yes		
Corn	4	Gloss (w/ Engobe)		light	yes		
Cornflower Matte	3	Satin Matte		light	yes	yes	
Craftsmen Green	3	Satin Matte		light	yes	yes	
Crater Lake	3	Gloss (w/ Engobe)		light	yes		
Cyclone	3	Gloss (w/ Engobe)		light	yes		
Daffodil	2	Gloss		light	yes		
Dark Chocolate Satin	2	Satin Matte		light	yes	yes	
Delta Blue	3	Satin Matte		light	yes	yes	
Demitasse	2	Gloss		light	yes		
Denim	3	Satin Matte		light	yes	yes	
Emerald Green	4	Gloss	yes	light			
Evergreen	2	Gloss		light	yes		
Fennel	4	Gloss (w/ Engobe)		medium	yes		
Fossil	4	Gloss (w/ Engobe)		medium	yes		
Frost	4	Gloss (w/ Engobe)		medium	yes		
Gobi	4	Gloss (w/ Engobe)		medium	yes		
Goldenrod	2	Gloss		light	yes		
Gooseberry Matte	3	Satin Matte		light	yes	yes	
Grand Mesa Matte	3	Satin Matte		light	yes	yes	
Grape Kiss	1	Gloss		light	yes		
Graysstone	1	Gloss		light	yes		
Honey Gloss	4	Gloss		light	yes		
Honeycomb	4	Gloss (w/ Engobe)		light	yes		
Huckleberry	2	Gloss		light	yes		
Indian Peach Matte	3	Satin Matte		light	yes	yes	
Indigo	2	Gloss		light	yes		
Jade	2	Gloss		light	yes		
Kelp	4	Gloss (w/ Engobe)		medium	yes		
Keyestone Matte	3	Satin Matte		light	yes	yes	
Kiwi	4	Gloss (w/ Engobe)		medium	yes		
Lapis Gloss	2	Gloss		light	yes		
Larkspur Matte	3	Satin Matte		light	yes	yes	
Lavender Gloss	1	Gloss		light	yes		

- 1) **Color Variation:** Glazes are rated V1 to V4 to indicate potential amount of variation that may occur. We recommend samples for V3 & V4 glazes.
- 2) **Acid Sensitive:** Fireclay glaze colors marked "yes" are acid sensitive. We do not recommend these colors for pools or backsplash areas
- 3) **Crazing:** Certain tiles may craze over time, meaning small surface cracks may develop that may lead to discoloration. Crazing is part of the inherent beauty of our tiles.
- 4) **Flooring:** Generally gloss glaze colors are not recommended for flooring. Ask us about our "grit" application to make gloss colors flooring ready.



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Lavender Matte	3	Satin Matte		light	yes	yes	
Lemon Cream	2	Gloss		light	yes		
Lichen	2	Gloss		light	yes		
Light Camel Matte	4	Satin Matte		light	yes	yes	
Limon	3	Gloss		light	yes		
Maize Matte	3	Satin Matte		light	yes	yes	
Malt	4	Gloss (w/ Engobe)		medium	yes		
Malt Shake Matte	3	Satin Matte		light	yes	yes	
Merlot	2	Gloss		light	yes		
Mica	4	Gloss (w/ Engobe)		medium	yes		
Milk Chocolate Satin	2	Satin Matte		light	yes	yes	
Milkyes Wayes	1	Gloss		light	yes		
Mint Satin	3	Satin Matte		light	yes	yes	
Monterey Bay Matte	3	Satin Matte		light	yes	yes	
Nautical	3	Gloss (w/ Engobe)		light	yes		
Navyes Blue Gloss	2	Gloss		light	yes		
Noble Fir	4	Gloss (w/ Engobe)		light	yes		
Nougat Matte	3	Satin Matte		light	yes	yes	
Oatmeal Matte	3	Satin Matte		light	yes	yes	
Orange Zest	2	Gloss		light	yes		
Pampas Grass	4	Gloss (w/ Engobe)		medium	yes		
Peabodyes	2	Gloss		light	yes		
Peanut Butter Matte	3	Satin Matte		light	yes	yes	
Petunia Satin	3	Satin Matte		light	yes	yes	
Pine Grove Matte	3	Satin Matte		light	yes	yes	
Plum	1	Gloss		light	yes		
Pumpkin Matte	4	Satin Matte		light	yes	yes	
Rainyes Dayes	1	Gloss		light	yes		
Royal Blue	3	Gloss (w/ Engobe)		light	yes		
Saddle Brown Gloss	2	Gloss		light	yes		
Sage Green	2	Gloss		light	yes		
Sapphire	2	Gloss		light	yes		
Sea Blue	3	Gloss (w/ Engobe)		light	yes		
Sea Green	3	Gloss (w/ Engobe)		light	yes		
Sea Kelp	2	Gloss		light	yes		
Shamrock Matte	3	Satin Matte		light	yes	yes	
Shitaki	4	Gloss (w/ Engobe)		medium	yes		
Silver Lilac	3	Satin Matte		light	yes	yes	
Skyles Blue	3	Gloss (w/ Engobe)		light	yes		
Skyses Satin	3	Satin Matte		light	yes	yes	
Slate Blue	3	Gloss (w/ Engobe)		light	yes		
Spanish Moss	4	Gloss (w/ Engobe)		light	yes		
Spice Matte	4	Satin Matte		light	yes	yes	
Spruce Gloss	3	Gloss		light	yes		
Tender Greyes	1	Gloss		light	yes		
Tomato Red	4	Gloss		light	yes		
Toulumne Meadows	4	Gloss (w/ Engobe)		light	yes		
Turquoise	2	Gloss		light	yes		
Tusk	1	Gloss		light	yes		
Umber Satin	3	Satin Matte		light	yes	yes	
Venetian Green	3	Gloss (w/ Engobe)	yes	light			
Wetlands	4	Gloss (w/ Engobe)		medium	yes		
Wheat Gloss	2	Gloss		light	yes		
White Gloss	1	Gloss		light	yes		
White Matte	3	Satin Matte		light	yes	yes	
Wine Mist Satin	3	Satin Matte		light	yes	yes	

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