Natural · Textured · Tile

FOR EVERY ENVIRONMENT

DOWN TO EARTH
A PRODUCT OF IRONROCK
Natural · Textured · Tile
FOR EVERY ENVIRONMENT

Unglazed Tile | Through-the-body color will not wear off
Textured Surface | Added character and appeal
Extruded Not Pressed | Durable and slip resisting
Earth Tone Colors | Pleasing, warm and elemental
Variety of Sizes | Versatility to fit any design
A Durable Premier Quarry Tile

Down to Earth® is a ½" thick naturally slip-resisting un-glazed ceramic quarry tile. Down to Earth is extruded (like brick) and hard fired for low absorption and added durability. Low absorption means Down to Earth is freeze/thaw resisting and will perform well in the harshest climates. Down to Earth® is the perfect tile for demanding applications indoors and out.
Imagine the Possibilities

Transform a space, design it your way - from classic to contemporary. Use Down to Earth for an entryway or on a balcony, on a patio, in a kitchen, or in a mudroom, for pool surrounds and walkways, and for all types of commercial applications.
Engaging Tile with Distinct Colors, Sizes & Textures

Captivating detailed textures with traditional and unique sizing - combine to bring earth’s elegance to any environment. As a result of the natural materials used and the kiln firing process, Down to Earth tile has random shade variation from tile to tile that exhibit a great deal of character. Down to Earth will add warmth to a remodel or new construction project indoors and outdoors.

Use a contrasting grout color to enhance the appearance of the textured surface. Use a similar grout color to minimize the texture’s appearance. To reduce the amount of grout that collects in the texture use a grout release prior to grouting.

155 Cobblestone
- 4 x 12 with Slate Texture (nominal)
- 6x9 with Stone Texture
- 4 x 8 with Velour Texture (nominal)

255 Desert Floor
- 4 x 12 with Slate Texture (nominal)
- 6x9 with Stone Texture
- 4 x 8 with Velour Texture (nominal)

350 Red Paver
- 4 x 12 with Slate Texture (nominal)
- 6x9 with Stone Texture
- 4 x 8 with Velour Texture (nominal)

458 Bedrock
- 4 x 12 with Slate Texture (nominal)
- 6x9 with Stone Texture
- 4 x 8 with Velour Texture (nominal)

Please Note: Colors are as accurate as printed representations can be. For final color selection refer to current actual color samples.
A brief overview of Down to Earth® and LEED V4.

Please Note: The following are generalizations only. We do not currently have 3rd party certification for these specific LEED credit.*

Materials & Resources

*Building Life Cycle Impact Reduction | Down to Earth products have a 60 plus year lifespan and can last the life of the building.

Product Disclosure {Environmental Product Declarations} | Down to Earth has taken part in an industry-wide EPD, a copy of which is available on the Down to Earth website.

*Product Disclosure {Source of Raw Material} | Down to Earth products contain pre-consumer recycled waste material. Down to Earth products can be reused or salvaged. Nearly all raw materials are extracted within a 50 mile radius of the manufacturing facility.

*Product Disclosure {Material Ingredients} | Down to Earth products are fired in kilns at temperatures above 2,000 degrees Fahrenheit and are an inert ceramic material.

*Construction and Demolition Waste Management | Down to Earth products are inert material after firing and can be reused or reclaimed as fill or road bed material. Sizing of the product is such that there is little job site waste of material.

Sustainable Sites

*Open Space | The durability, freeze/thaw resisting, and slip resisting properties of Down to Earth quarry tile makes it an excellent paving tile. The color palette consists of natural earth tones.

*Heat Island Reduction | Down to Earth makes light color quarry tile. Down to Earth quarry tile is an excellent paving tile.

Energy & Atmosphere

*Optimize Energy Performance | The thermal mass of Down to Earth products helps in the moderation of indoor temperature swings.

Indoor Environmental Quality

Low Emitting Materials | Ceramic tile is cited as an “inherent non emitting source” for this credit. Down to Earth may be used for this credit without testing.

*Construction Indoor Air Quality | Down to Earth products are VOC-free and are resistant to mold and mildew.

*Indoor Air Quality Assessment | Down to Earth products are inert. They are VOC-free and are formaldehyde free.

*Thermal Comfort | The thermal mass of Down to Earth products allows them to aid in creating a more consistent indoor environment.

*Interior Lighting | Down to Earth makes light color quarry tile for both floor and wall use.

Integrative Process

*Integrative Process | Down to Earth quarry tile is part of a flooring installation system, one that has been shown to be extremely durable and low maintenance.
Down to Earth is unglazed and textured with a dynamic coefficient of friction that meets or exceeds 0.65 wet at time of manufacture.

Sample Specification

Below is a template for you to use in preparing a final tile specification incorporating tile products marketed under the name Down to Earth®, manufactured by Ironrock Capital, Inc. This section includes installation materials not manufactured by Ironrock Capital, Inc. using the reference standard method of specifying.

A typical specification to assure the use of Down to Earth® unglazed textured quarry tile on your next job should be written as follows:

• Ceramic tile shall be “Down to Earth unglazed tile as manufactured by Ironrock Capital, Canton, Ohio, 44711.”
• The body composition shall be of the finest shales and clays producing a uniform dense body with slip-resisting texture.
• Color shall be:______________________
• Sizes shall be:______________________
• Patterns: as per drawing.
• Grout: Compatible colors as approved by architect.
• Test results shall be available upon request.
• For best installation results we recommend the following be included in the specification:
  • Nominal 3/8” joint widths (1/4” widths may be used with some patterns)
  • Mix tile from several cartons for best shading during installation.
  • Use beating block to embed tile and align surfaces and edges.
  • Clean colored grout with tile sponge and cheesecloth or toweling for uniform grout color and most uniform grout level and texture. Some acid cleaners may damage grout joints. Test a small area first. Wet floor with clean water before applying any acid cleaner. Do not use any product containing Hydrofluoric acid since it will attack both grout and tile.
By ANSI Standard Specification A 137.1 Down to Earth unglazed tile is classified as quarry tile, however, the exceptional technical characteristics noted enables Down to Earth tile to be used in virtually any application suitable for tile.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Test</th>
<th>Standard</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abrasion Resistance</td>
<td>ASTM C1243</td>
<td>Maximum Value of 275 mm³</td>
<td>D.T.E. tests at &lt; 275 mm³</td>
</tr>
<tr>
<td>Absorption 5-hour boil</td>
<td>ASTM C373</td>
<td>Maximum 5%</td>
<td>D.T.E. tests at 3% maximum and qualities as vitreous</td>
</tr>
<tr>
<td>Breaking Strength</td>
<td>ASTM C648</td>
<td>Average ≥ 275 lbf.</td>
<td>D.T.E. tests at 800lbf. or better</td>
</tr>
<tr>
<td>Thickness</td>
<td>ASTM C499</td>
<td>Max. range of .050”</td>
<td>D.T.E. meets the standard</td>
</tr>
<tr>
<td>Nominal Size</td>
<td>ASTM C499</td>
<td>The facial dimension of each tile in the sample shall not vary more than ±2.00% from the nominal dimension.</td>
<td>D.T.E. meets the standard</td>
</tr>
<tr>
<td>Freeze/Thaw</td>
<td>ASTM C1026</td>
<td>Observations after 300 cycles. No visible damage.</td>
<td>D.T.E meets the standard</td>
</tr>
<tr>
<td>Shear Bond Strength</td>
<td>ASTM C482</td>
<td>50 P.S.I. or better</td>
<td>D.T.E exceeds the standard</td>
</tr>
<tr>
<td>DCOF Acu Test (wet)</td>
<td>ANSI 137.1-2012 BOT 3000</td>
<td>Threshold of 0.42</td>
<td>At time of manufacture, D.T.E. colors meet or exceed measure of 0.60 wet.</td>
</tr>
<tr>
<td>Warpage</td>
<td>ASTM C485</td>
<td>Min. -1.5% Max. 1.5% along any edge. Min -1.0% Max 1.0% on either diagonal.</td>
<td>D.T.E. meets the standard</td>
</tr>
<tr>
<td>Wedging</td>
<td>ASTM C502</td>
<td>Min. -1.0% Max. 1.0%</td>
<td>D.T.E. meets the standard</td>
</tr>
<tr>
<td>Chemical Resistance</td>
<td>ASTM C650</td>
<td>As Reported</td>
<td>Class A Classification</td>
</tr>
<tr>
<td>Stain Resistance</td>
<td>ASTM C1378</td>
<td>As Reported</td>
<td>D.T.E meets the standard</td>
</tr>
<tr>
<td>Scratch Hardness</td>
<td>MOHS</td>
<td>No Industry Standard</td>
<td>7</td>
</tr>
</tbody>
</table>
Some patterns require a 3/8” grout joint. Because of the square edge of Down to Earth, you may choose to use a tighter joint (1/4”) where applicable.