

Features and Benefits of Quarry Tile

Quarry is an unglazed, extruded tile, fired at high temperatures giving the product a natural clay look. The color of the tile is the actual color of the fired clay because no glazed is used and can withstand a very high commercial traffic. It is frost proof meaning that it can be installed outside where it is exposed to freezing temperatures. This quarry tile is one of the toughest floor tile in the market for residential and commercial use.

Uses

The 12"x12" often is used residentially in exterior or interior patios or in any areas where a Colonial or Tuscan look is used. Great for pools, driveways and walkways since it has non-slip characteristics.

The 6"x 6" quarry tile is specified in commercial or restaurant kitchens because it is not affect by acids (milk, soft drinks, strong detergents) and not absorbent. It may come with an abrasive finish for use in areas where extra grip is needed. Special pieces like a bullnose, cove or stair tread are also available for a better finish or more sanitary installation.

Maintenance

Quarry is very easy to maintain, just use water and soap. Unlike other unglazed tiles, quarry tile should not be sealed. When installing make sure you clean the grout off the surface of the product while its still wet. A grout release is always recommended at the time of installation.



QUARRY TILE UNGLAZED ACCORDING TO ANSI 137.1

TECHNICAL DATA	TEST ASTM	REQUIREMENTS	AVERAGE DATA ALFAGRES
Water Absorption	ASTM C373	< 5%	2.5%
Deep Abrasion	ASTM C1243	(Class E2) Loss < 275 mm ³	110 mm ³
Bond Strength	ASTM C482	≥ 50 psi	75 psi
Modulus of Rupture Thickness ≥ 7.5 mm.	Flexural ASTM C674	≥ 23 N/mm ²	27 N/mm ²
Breaking Strength (Lb)	ASTM C648	Average ≥ 250 lbf./ Individual > 225 lbf.	410 lbf.
Facial Dimensions	Nominal Size Caliber Range ASTM C499	< ± 2%	± 1.0%
Thickness	Range ASTM C499	< 0.050 inch	0.040 inch
Wedging	ASTM C502	< ± 1%	± 0.7%
Coefficient of Friction (SCOF)	Static ASTM C1028	Defined by Fabricator	Smooth 0.6 Abrasive 0.7
Surface Flatness (WARPAGE)	Edge ASTM C485 Diagonal ASTM C485	< ± 1.5% < ± 1.0%	± 0.7% ± 0.8
Thermal Shock	ASTM C684	not affected	not affected
Resistance to Chemical Attack	ASTM C650	Defined by Fabricator	not affected
Mohs Hardness	UNE/EN 101	Hardness Grade	6 - 7

Environmental Specification Sheet

OUR COMMITMENT TO SUSTAINABLE DEVELOPMENT

Foster actions geared toward minimizing and preventing environmental impact generated from our business and manufacturing practices.
LEED Criteria (Leadership in Energy & Environmental Design)

Our products are viable options for LEED-criteria compliance on new construction, existing construction, schools, core and shell.

MR Credit 4: Recycled Content
1-2 Points. Applicable for: NC – SC – CS1

Aim: Foster tapping into a variety of recycled content for raw materials to reduce virgin raw material consumption.

Quarry Tile from Elgin Butler contains 34% pre-consumer recycled content, as reflected in our 2013 records.

Pre-consumption material comes from two sources: products re-routed from common waste generated from breakage or poor firing, and from industrial brick waste "grog", which gets re-incorporated into the raw material during the milling process.

SS Credit 7.1 Non-roof
Heat Island Effect
1 Point. Applicable for: NC – SC – CS1

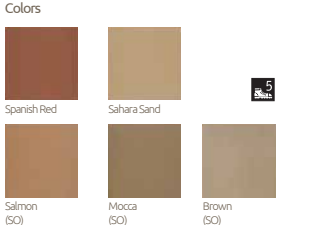
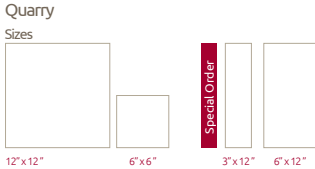
Aim: Offset eco-system micro-climates by reducing heat islands.
Quarry Tile from Elgin Butler installed on exteriors can reach a Solar Reflectance Index (SRI) of greater than 29: reports available to the public upon request.

IEQ Credit 4.3:
Low-emitting Materials: Flooring Systems
1 Point. Applicable for: NC – SC – CS1

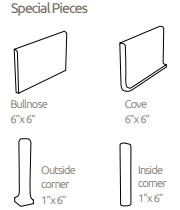
Aim: Guarantee pollutant-free indoor air to foster better health.
Quarry Tile from Elgin Butler is a non-enameled product fired at above 1,100 °C. Eliminating all Volatile Organic Compounds (VOC) to guarantee that once installed, Quarry Tile products will not seep VOC's.

ID Credit 1: Innovation in Design
1-5 Points. Applicable for: NC – SC – CS1

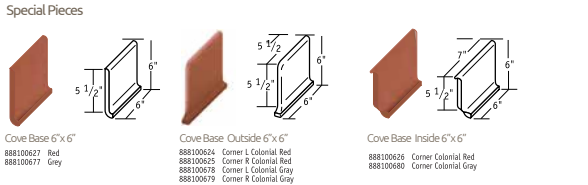
Aim: Provide products that enable our clients to surpass LEED system requirements.
Working side-by-side with our clients on LEED projects, we can help them obtain superior Innovation and design performance that exceeds the LEED system.



Spit Quarry Tile
Available in smooth and abrasive finish only in colonial red color.



Quarry Colonial Line



E Extra grade slip following ANSI test

IK10 Classification of Friction: Class 1 with a Dynamic CoF factor >0.5 Static CoF Factor

YES

5 Heavy Traffic

92 Slight to moderate water absorption, resistance and stain of low water table production run.



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