

Physics

Porcelain Stone®





# Physics

## Porcelain Stone<sup>®</sup>

### Design begins on a molecular level.

Harnessing energy, force, space and time, a new philosophy of design emerges with Physics by Crossville. Taking inspiration from natural science, Physics opens designers to a universe of porcelain in a look that captures the relationship between matter and motion. Over the millennia, tile has provided the perfect relative surface. Now Physics takes a space to enlightening levels in 12x24, 12x12 sizes, 3x3 mosaics, and complementary trim that has a powerful gravitational pull. There is no design problem that tile cannot solve and with Physics the chaos of floors and walls, both wet, dry, interior or exterior, is eclipsed by the supersymmetry of cosmic tile design.

- Complete trim package including mosaics suitable for shower floors
- Competitively priced for exceptional value
- Cross-Sheen finish for easy cleaning



VERIFIED BY  
SCS Global Services



**PHY03** ▶ Proton 12 x 12 UPS



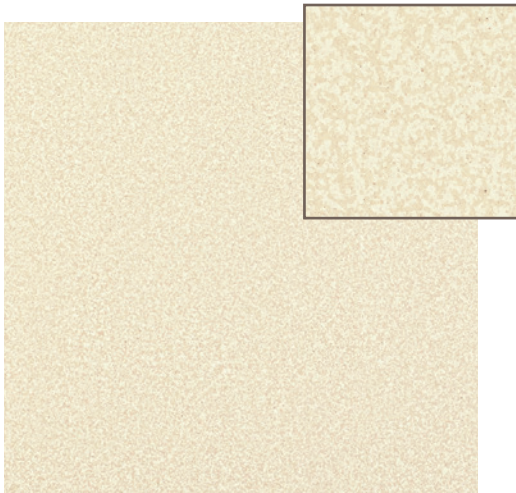


PHY02 ▶ Nucleus 12 x 24 UPS

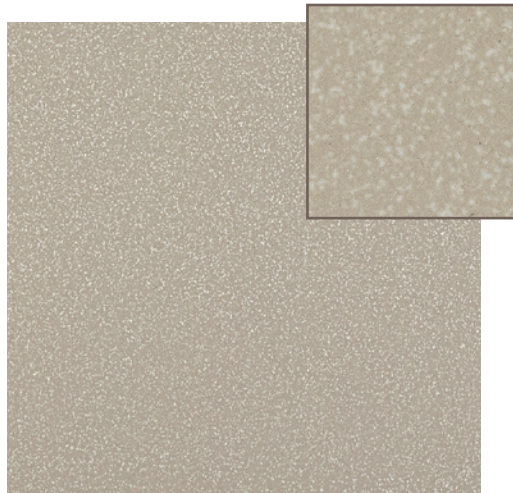


# Color Palette

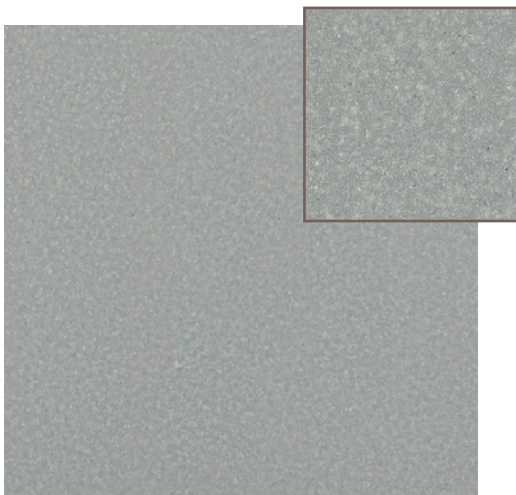
## Available Colors



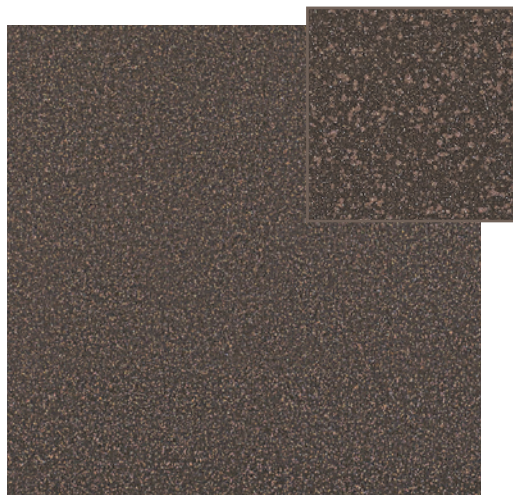
**PHY01** ▶ Boson



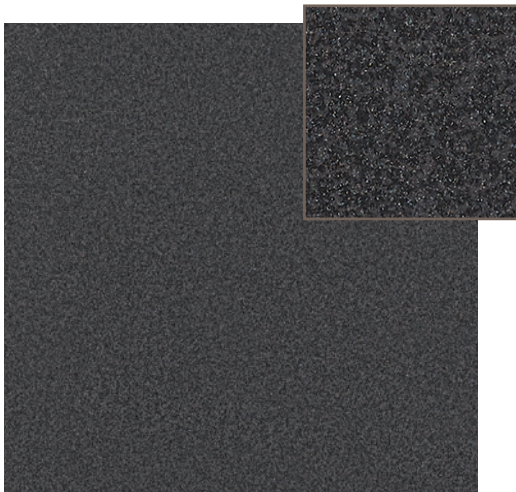
**PHY02** ▶ Nucleus



**PHY03** ▶ Proton



**PHY04** ▶ Graviton



**PHY05** ▶ Quark

## Available Mosaics



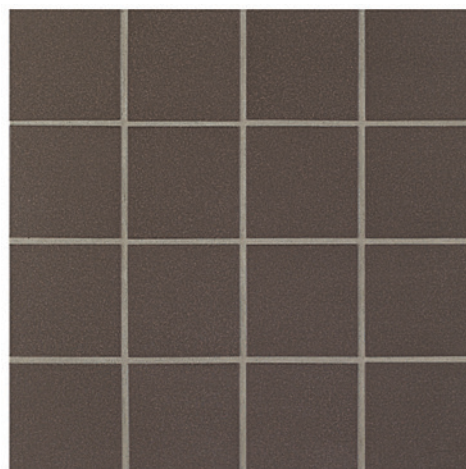
**PHY01** ▶ Boson 3 x 3 Mosaics



**PHY02** ▶ Nucleus 3 x 3 Mosaics



**PHY03** ▶ Proton 3 x 3 Mosaics



**PHY04** ▶ Graviton 3 x 3 Mosaics

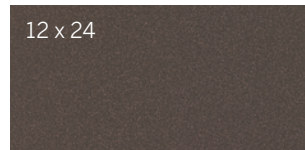


**PHY05** ▶ Quark 3 x 3 Mosaics



# Specifications

## Sizes (Shown in PHY04)



12 x 24



12 x 12



3 x 3 Mosaics  
UPS Finish  
(Mounted on an  
12 x 12 sheet.)

## Get Planked!

Our Porcelain Stone® products are available in popular plank shapes with no minimum order and quick fulfillment.

See website for more details and sizes.



## Crossville® Sample Express

Complimentary Samples are available at [CrossvilleInc.com/products/physics/](http://CrossvilleInc.com/products/physics/)

Samples may also be ordered through customer service by email or phone.

**Sample fulfillment & Help Line**  
Samples@CrossvilleInc.com  
1 800 221.9093

*Loose Samples for  
Architects & Designers*

## Loose Tile Samples

Sizes may vary depending on product series

Max. of 4 large field tile per order

## Replacement Chips for PSS Rack

Max. of 5, 2 x 2 chips per color

## Standard Shipping

UPS Ground

## Sizes & Finishes

### Field Tile

Available in all colors

Nominal (in)	Actual (in)	Thickness (in)	Grout Joint (in)	Finish
12 x 12	11-3/4 x 11-3/4	5/16	3/16	UPS/PO
12 x 24	11-3/4 x 23-3/4	5/16	3/16	UPS/PO

Crossville recommends a grout joint of 3/16 inch.

Actual measurements stated in inches indicate tile is calibrated (non-rectified).

Actual measurements stated in mm indicate tile is rectified.

### Mosaics

Available in all colors

Nominal (in)	Actual (in)	Thickness (in)	Grout Joint (in)	Finish
3 x 3 Mosaic	11-3/4 x 11-3/4	1/4	3/16	UPS

\*Mounted on 12 x 12 sheet

### Coordinating Trim

Available in all colors

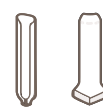
Nominal (mm)	Actual (in)	Thickness (in)	Grout Joint (in)	Finish
4 x 12 Single Bullnose	3-3/4 x 11-3/4	5/16	3/16	UPS/PO
6 x 12 Cove Base	5-7/8 x 11-3/4	5/16	3/16	UPS
1 x 6 Inside Corner	1 x 5-7/8	5/16	3/16	UPS
1 x 6 Outside Corner	1 x 5-7/8	5/16	3/16	UPS



4 x 24 Bullnose



6 x 12 Cove Base



1 x 6 Inside &  
Outside Corners

## Product Performance

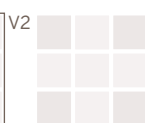
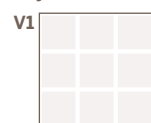
Breaking Strength	>350 lbf	ASTM C648
Bond Strength	>200 psi	ASTM C482
Chemical Resistance (UPS)	Class A	ASTM C650
Chemical Resistance (PO)	Class B	
Frost Resistance	Resistant	ASTM C1026
Water Absorption	<0.20%	ASTM C373
Scratch Hardness	7	Mohs Scale

## Wet Dynamic Coefficient of Friction Range

UPS	0.50 - 0.60	AcuTest <sup>sm</sup>
PO	0.31 - 0.41	AcuTest <sup>sm</sup>

## Shade & Texture Index

Physics has a shade variation of V1.



**V1 Uniform appearance**  
V2 Slight Variation  
V3 Moderate Variation  
V4 Substantial Variation

This porcelain tile product is produced with a V1 variation. Differences among pieces from the same production run are minimal. Inspect the product upon delivery and for best results, blend tile from several cartons during installation.

### Recommended Use

Physics is recommended for interior floors, walls, counter tops and exterior walls in both residential and commercial applications. **If offset pattern is required for tiles 15 inches or longer, Crossville® recommends an offset of not greater than 33%.** See CrossvilleInc.com for detailed installation instructions.

### Polished Tile

For polished tiles, the use of a penetrating type sealer is required prior to grouting. Grouts should be tested to determine if the grout or grout pigment will contaminate the surface of the tile and may require more than one coating of sealer before proceeding to the entire installation.

### Care and Maintenance

Regular cleaning is the best way to keep Physics tile looking good for years to come. Use clean, hot water (combined with a household cleaner for more aggressive cleaning). Rinse thoroughly and dry with a soft cloth to prevent water spots. No waxes or sealers are needed. More information regarding the care and maintenance of Crossville products is available at CrossvilleInc.com.

### Environmentally Conscious

Physics contains a minimum of 4% pre-consumer recycled content and is manufactured by Crossville® using processes that recycle nearly 12 million pounds of previously discarded filtrate and fired tile waste. In addition to its own fired waste recycling, Crossville also accepts and recycles reclaimed, previously installed tile through its Tile Take-Back™ Program. For more information, visit CrossvilleInc.com/green.

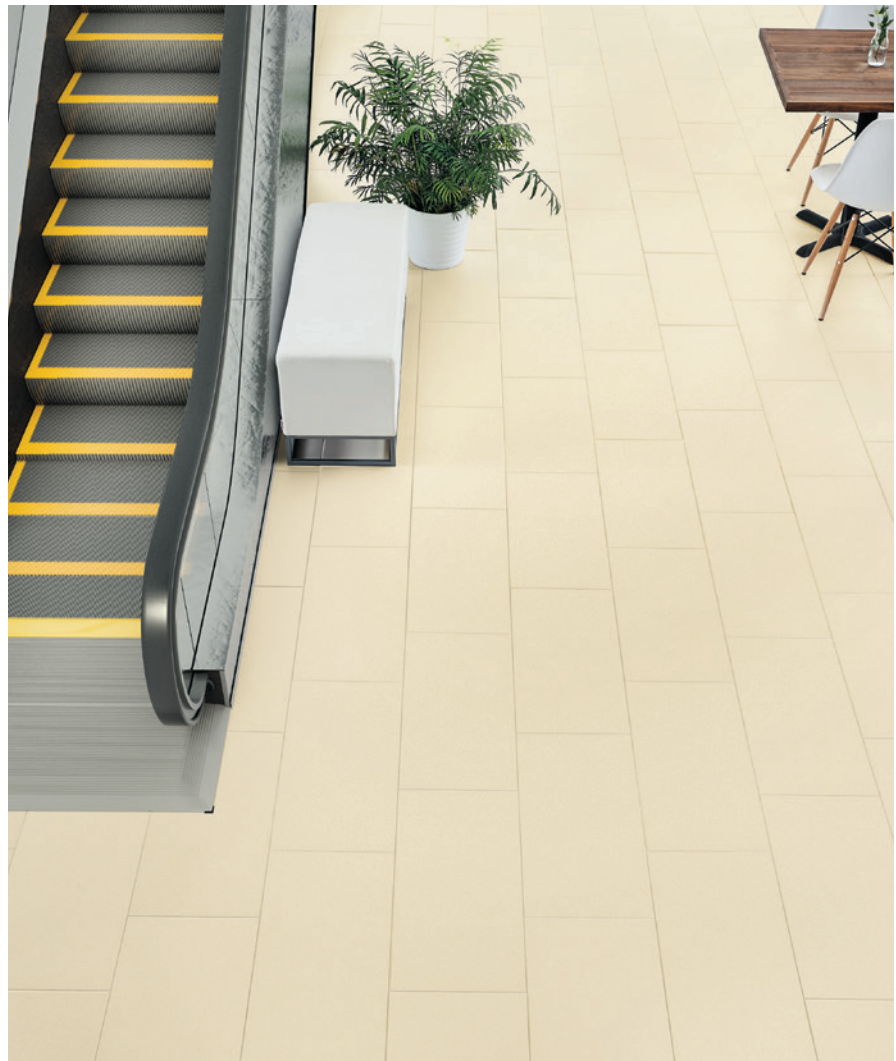
### Our Warranty

Crossville Inc guarantees that its products will meet or exceed the performance specifications outlined in ANSI A137.1-2012 and in the performance data section of the Crossville, Inc. general product catalog. For complete details check our website at CrossvilleInc.com.

*Information listed here is subject to change. Please refer to CrossvilleInc.com for the latest, most accurate information.*

### Hydrotect

Our porcelain tiles are available with Hydrotect. Crossville's revolutionary invisible coating harnesses the power of light, water, and oxygen to create the best defense against dirt and pollution. Whether indoors or out, floors and walls stay cleaner, providing a superior experience in any space. For complete details check our website at CrossvilleInc.com.



PHY01 ▶ Boson 12 x 24 UPS

### Trade Organizations



### Environmentally Aware





# Physics

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PHY03 ▶ Proton 12 x 12 UPS

Cover: PHY04 ▶ Graviton 12 x 24 UPS

 **CROSSVILLE®**