

# Spirit

porcelain stoneware





# ENERGY

DOMSPEN2448

| 24x48 |



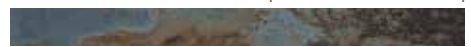
DOMSPEN1224

| 12x24 |

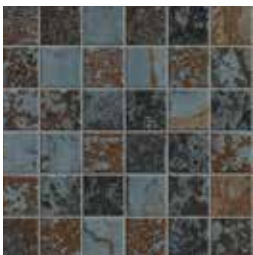


DOMSPENBN224

| 2x24 bullnose |



DOMSPENMOS22



| 2x2 mosaic |

DOMSPENMOSHER



| herringbone mosaic |  
jade/energy blend

DOMSPENMOSROCKS



| rocks mosaic |



DOMSPJA1224 | 12x24 |



DOMSPJA2448 | 24x48 |



DOMSPJABN224 | 2x24 bullnose |



DOMSPJAMOSROCKS



| rocks mosaic |

DOMSPJAMOSHER



| herringbone mosaic |  
jade/energy blend

DOMSPJAMOS22



| 2x2 mosaic |



# ORIGIN

DOMSPOR2448

| 24x48 |



DOMSPOR1224

| 12x24 |



DOMSPORBN224

| 2x24 bullnose |



DOMSPORMOS22



| 2x2 mosaic |

DOMSPORMOSHER



| herringbone mosaic |  
*origin/soul/stick blend*

DOMSPORMOSROCKS



| rocks mosaic |



# SHARP

DOMSPSH1224 | 12x24 |



DOMSPSH2448 | 24x48 |



DOMSPSHBN224 | 2x24 bullnose |



DOMSPSHMOSROCKS



| rocks mosaic |

DOMSPSHMOS22



| 2x2 mosaic |



# SOUL

DOMSPSO2448

| 24x48 |



DOMSPSO1224

| 12x24 |



DOMSPSOBN224

| 2x24 bullnose |



DOMSPSOMOS22



| 2x2 mosaic |

DOMSPSOMOSHER



| herringbone mosaic |  
origin/soul/stick blend

DOMSPSOMOSROCKS



| rocks mosaic |



DOMSPST1224

| 12x24 |



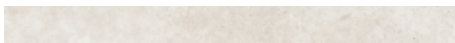
DOMSPST2448

| 24x48 |



DOMSPSTBN224

| 2x24 bullnose |



DOMSPSTMOSROCKS



| rocks mosaic |

DOMSPSTMOSHER



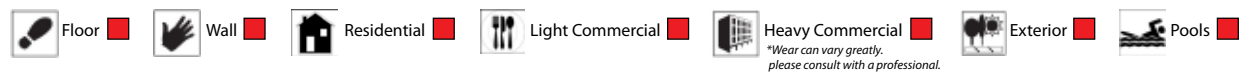
| herringbone mosaic |  
origin/soul/stick blend

DOMSPSTMOS22



| 2x2 mosaic |

## Suggested Applications



## Installation Suggestions

Plank Installation\*  Modular Setting  Joint Size

\*Install the offset the width of the plank. For professional installation, the use of leveling spacers for all plank and rectangular (ie. 12x24) format tiles is recommended.

EDGE: Straight/Pressed  Rustic  Rectified

FINISH: Matte  Polished  Structured   
 Honed  Semi-Polished

## Porcelain Type

through-body  color-bodied  glazed  unglazed  double-loaded  other \_\_\_\_\_

## Shade Variation

V1 Uniform Appearance  V2 Slight Variation  V3 Moderate Variation  V4 Substantial Variation

\*all colors except ENERGY \*ENERGY

THICKNESS: 9mm # OF FACES: \_\_\_\_\_

## Slip Resistance

DCOF	Values	Applications
<input checked="" type="checkbox"/> >.42	0.42	Recommended Standard DCOF value for wet/dry commercial flooring
<input type="checkbox"/> >.65	0.65	Recommended Standard DCOF value for ADA ramps

DIN 51130 \*R9: Industry Standard/ADA Requirements \*\*R11: Recommended For Exteriors

R9\* (3-10°)  R10 (10-19°)  R11\*\* (19-27°)  
 R12 (27-35°)  R13 (>35°)

DIN 51097

Class	Typical Applications	Critical Angle
<input checked="" type="checkbox"/> A	Barefoot, but mainly dry aisles and walkways, dry changing areas	≥12°
<input checked="" type="checkbox"/> B	Shower rooms, pool surrounds, wet changing areas, disinfectant spray areas (plus all Class A areas)	≥18°
<input type="checkbox"/> C	Areas constantly under water, e.g. steps into pools, foot baths, inclined pool surrounds, jacuzzis (plus all Class A&B areas)	≥24°

ASTM C-1028  
ANSI A137.1  
DIN 51097/51130

## Scratch Resistance

MOH'S SCALE  
UNI EN ISO  
10545.6

MINERAL

1. Talc (Talc)	6. Microline (Glass, Glazed Tile)
2. Gypsum (Fingernail)	7. Quartz (Unglazed Porcelain)
3. Calcite (Penny)	8. Topaz (Granite)
4. Flourite (Some Marbles)	9. Corundum (Ruby)
5. Apatite (Knife Blade)	10. Diamond (Diamond)

Industry standard ≤175mm<sup>2</sup>

## Wear Resistance

PEI RATING  
UNI EN ISO  
10545.7

- Class 1: Walls only
  - Class 2: Residential floors w/minimal abrasive traffic
  - Class 3: Residential interiors/light commercial traffic
  - Class 4: Medium commercial applications
  - Class 5: All commercial applications/heavy traffic
- \*Wear can vary greatly. please consult with a professional.

## Stain Resistance

ASTM C1378-04  
UNI EN ISO  
10545.14

- 5: Removed after 5 minutes (hot water running)
- 4: Removed by manual cleaning (weak detergent)
- 3: Removed by mechanical cleaning (strong detergent)
- 2: Removed by immersion (24 hrs in suitable solvent)
- 1: Stain not removed

**3**

## Water Absorption

ASTM C-373  
UNI EN ISO  
10545.3

<input checked="" type="checkbox"/> Absorbs 0-.5%	<input type="checkbox"/> Absorbs .5-3%	<input type="checkbox"/> Absorbs 3-7%	<input type="checkbox"/> Absorbs 7% +
<input checked="" type="checkbox"/> Impervious Interior/Exterior Frost Resistant	<input type="checkbox"/> Vitreous Interior/Exterior Frost Resistant	<input type="checkbox"/> Semi-Vitreous Indoor Use Only	<input type="checkbox"/> Non-Vitreous Indoor Use Only

## Breaking Strength

ASTM C648  
UNI EN ISO  
10545.4

Industry standard should be greater than

250 lbs  
or  
50 N/MM<sup>2</sup>

**≥35 n/mm<sub>2</sub>**

## Facial Dimension

ASTM c499-09  
UNI EN ISO  
10545.02

	Standard	Tolerance	Result
flatness	± 5mm	± .5%	PASS
thickness	± 6mm	± .5%	PASS
straightness	± 4.5mm	± .5%	PASS
squareness	± 5.4mm	± .6%	PASS
sides L/W	± 1.1mm ± 4.5mm	± .5%	PASS

## Chemical Resistance

ASTM C650  
UNI EN ISO  
10545.13

Allowances for:

	result
Acid	PASS
Bases	PASS
Chemicals	PASS

## Leed Information



REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

Sustainable Sites Site selection	1 Point	Materials & Resources	1 Point	2 Points
SS CREDIT 1 Heat Island Effect-non roof Material with a solar reflectant index of at least 29.	<input checked="" type="checkbox"/>	M&R CREDIT 2 Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	50% <input type="checkbox"/>	70% <input type="checkbox"/>
Energy & Atmosphere EA CREDIT 4 Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	1 Point	M&R CREDIT 4.1-4.2 Recycled Content: The sum of post consumer plus 1/2 of the pre consumer reps at least 10-20% of total value of materials.	10% <input type="checkbox"/>	20% <input checked="" type="checkbox"/>
Indoor Environmental Quality Low-Emitting Materials-Flooring Systems	1 Point	M&R CREDIT 5 Regional Materials: Materials manufactured within 500 miles of the project site.	10% <input type="checkbox"/>	20% <input type="checkbox"/>
IEQ CREDIT 3.1-7 Green Cleaning: Reducing occupants exposure to hazardous cleaning chemicals.	<input checked="" type="checkbox"/>	Innovation in Design	1-5 Points	
IEQ CREDIT 4.1 Low Emitting Adhesives: Products less than 65 G/L VOC	<input type="checkbox"/>	ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.	<input type="checkbox"/>	
IEQ CREDIT 4.3 Low Emitting Materials: Flooring systems.	<input checked="" type="checkbox"/>			

Type: **Porcelain Stoneware**

Product Line: **Spirit**

\*The marketing name for this product is property of Cobis-USA. This same product may be marketed under different names.\*