

Spirit

porcelain stoneware



CANCOS
TILE & STONE



ENERGY

DOMSPEN2448

| 24x48 |



DOMSPEN1224

| 12x24 |

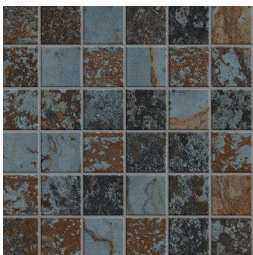


DOMSPENBN224

| 2x24 bullnose |

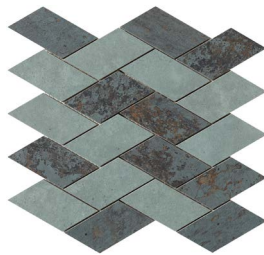


DOMSPENMOS22



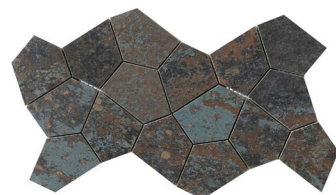
| 2x2 mosaic |

DOMSPENMOSHER



| herringbone mosaic |
jade/energy blend

DOMSPENMOSROCKS



| rocks mosaic |



DOMSPJA1224 | 12x24 |



DOMSPJA2448 | 24x48 |



DOMSPJABN224 | 2x24 bullnose |

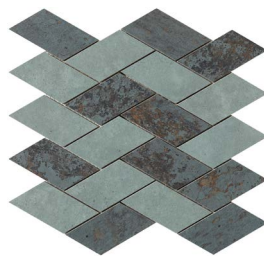


DOMSPJAMOSROCKS



| 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

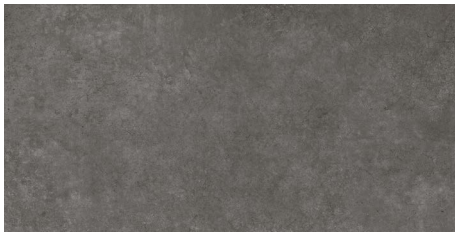


| rocks mosaic |



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



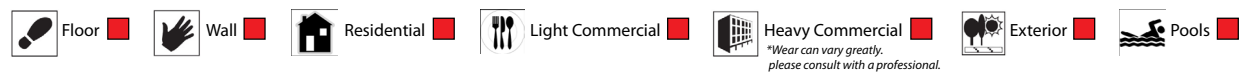
| herringbone mosaic |
origin/soul/stick blend

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:

	12x24	24x48
EN	64	16
JA	48	12
OR	48	12
SH	48	12
SO	48	12
ST	40	10

Slip Resistance

DCOF Values Applications

>.42 0.42 Recommended Standard DCOF value for wet/dry commercial flooring

.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°

Scratch Resistance

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 ≤175mm²

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

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

ASTM C1378-04
 UNI EN ISO 10545.14 **5**

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% +
Impervious Interior/Exterior Frost Resistant	Vitreous Interior/Exterior Frost Resistant	Semi-Vitreous Indoor Use Only	Non-Vitreous Indoor Use Only

Breaking Strength

Industry standard should be greater than 250 lbs or 50 N/MM²

ASTM C648
 UNI EN ISO 10545.4 **≥35 n/mm²**

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