

# Ironclad

*porcelain tile & slabs*



**CANCOS**  
TILE & STONE

Ironclad  
**BLACK**





BLACK

**48"X106" (120CM X 270CM) SLABS**

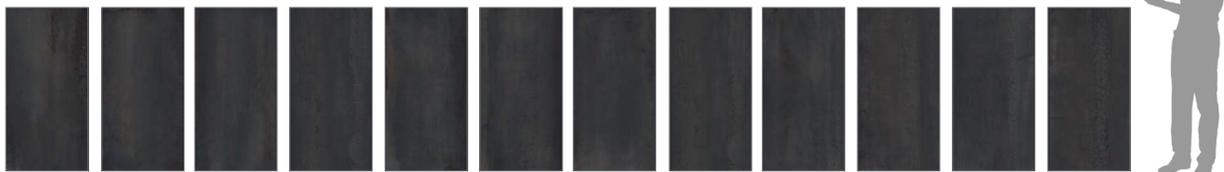
6mm Thickness | Rectified Edge | 8 faces\*



DOMIRBK48106

**24"X48" (60CM X 120CM) TILES**

9mm Thickness | Rectified Edge | V3 Shade Variation | 12 faces\*



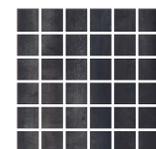
DOMIRBK2448

**12"X24" (30CM X 60CM) TILES**

9mm Thickness | Rectified Edge | V3 Shade Variation | 25 faces\*



DOMIRBK1224



**2"X2" MOSAIC**

\*not to scale\*

DOMIRBKMOS22

\*faces shown for visual variety. not intended for individual selection.

Ironclad  
**BLUE**





**48"X106" (120CM X 270CM) SLABS**

6mm Thickness | Rectified Edge | 8 faces\*



DOMIRBL48106

**24"X48" (60CM X 120CM) TILES**

9mm Thickness | Rectified Edge | V3 Shade Variation | 12 faces\*



DOMIRBL2448

**12"X24" (30CM X 60CM) TILES**

9mm Thickness | Rectified Edge | V3 Shade Variation | 26 faces\*



DOMIRBL1224



**2"X2" MOSAIC**

\*not to scale\*

DOMIRBLMOS22

\*faces shown for visual variety. not intended for individual selection.

Ironclad  
**DARK  
GREY**





# DARK GREY

## 48"X106" (120CM X 270CM) SLABS

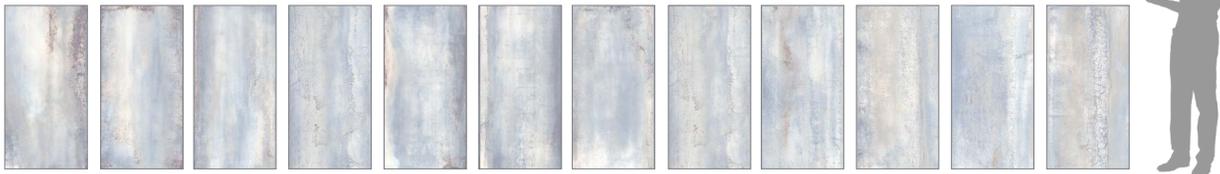
6mm Thickness | Rectified Edge | 8 faces\*



DOMIRDG48106

## 24"X48" (60CM X 120CM) TILES

9mm Thickness | Rectified Edge | V3 Shade Variation | 12 faces\*



DOMIRDG2448

## 12"X24" (30CM X 60CM) TILES

9mm Thickness | Rectified Edge | V3 Shade Variation | 21 faces\*



DOMIRDG1224



## 2"X2" MOSAIC

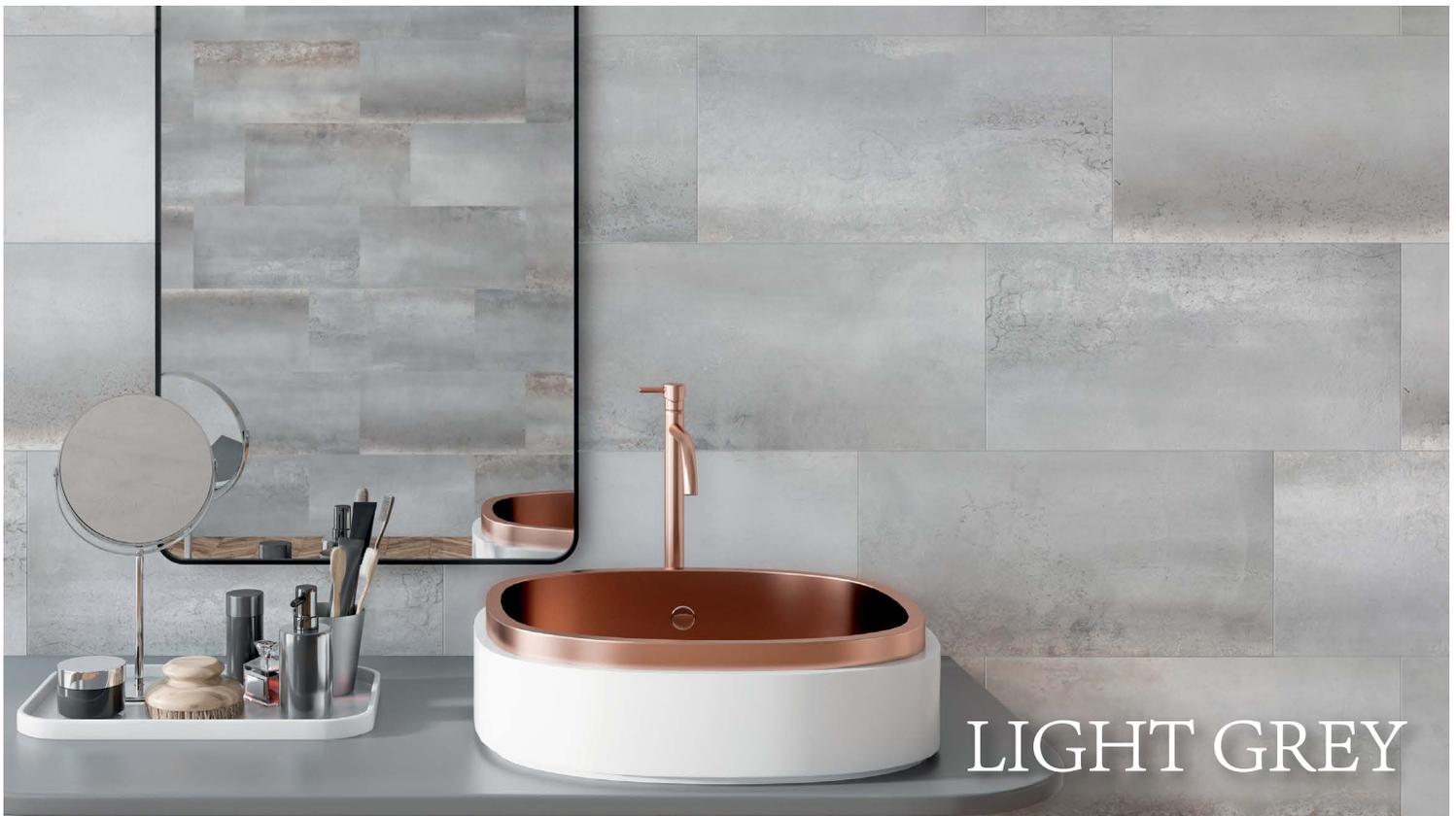
\*not to scale\*

DOMIRDMOS22

\*faces shown for visual variety. not intended for individual selection.

Ironclad  
LIGHT  
GREY





LIGHT GREY

**48"X106"** (120CM X 270CM) **SLABS**

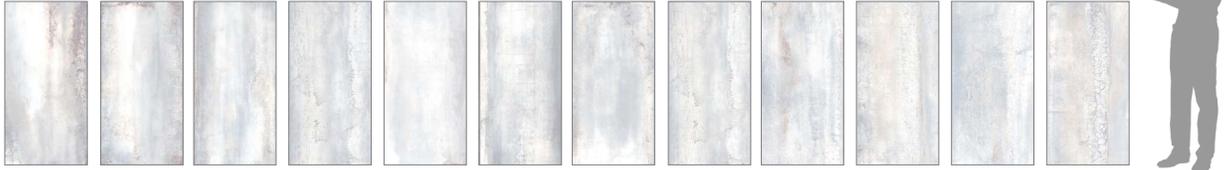
6mm Thickness | Rectified Edge | 8 faces\*



DOMIRLG48106

**24"X48"** (60CM X 120CM) **TILES**

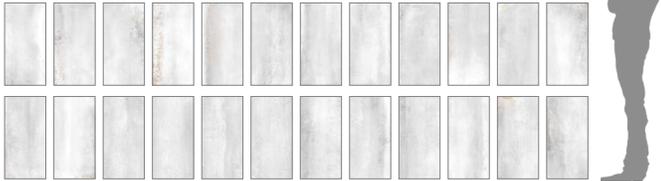
9mm Thickness | Rectified Edge | V3 Shade Variation | 12 faces\*



DOMIRLG2448

**12"X24"** (30CM X 60CM) **TILES**

9mm Thickness | Rectified Edge | V3 Shade Variation | 24 faces\*



DOMIRLG1224



**2"X2" MOSAIC**  
\*not to scale\*

DOMIRLGMOS22

\*faces shown for visual variety. not intended for individual selection.

Ironclad  
RUST





**RUST**

**48"X106" (120CM X 270CM) SLABS**

6mm Thickness | Rectified Edge | 8 faces\*



DOMIRRU48106

**24"X48" (60CM X 120CM) TILES**

9mm Thickness | Rectified Edge | V3 Shade Variation | 12 faces\*



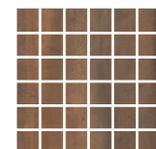
DOMIRRU2448

**12"X24" (30CM X 60CM) TILES**

9mm Thickness | Rectified Edge | V3 Shade Variation | 21 faces\*



DOMIRRU1224



**2"X2" MOSAIC**

\*not to scale\*

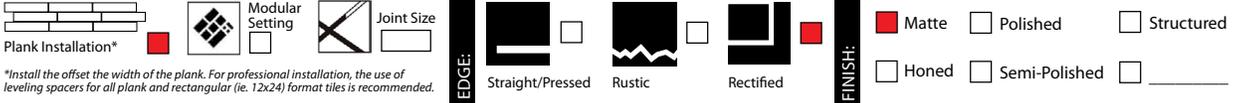
DOMIRRUMOS22

*\*faces shown for visual variety. not intended for individual selection.*

# Suggested Applications



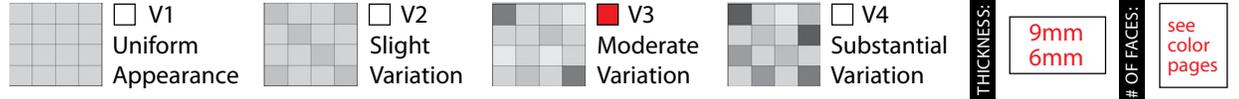
# Installation Suggestions



# Porcelain Type



# Shade Variation



# Slip Resistance

DCOF	Values	Applications
<input checked="" type="checkbox"/> .56	0.42	Recommended Standard DCOF value for wet/dry commercial flooring
<input type="checkbox"/>	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 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, included pool surrounds, jacuzzis (plus all Class A&B areas)	≥24°

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

# 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. Fluorite (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

- 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

# 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



# 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	<input type="checkbox"/> B
Bases	<input type="checkbox"/> B
Chemicals	<input type="checkbox"/> B

# Leed Information

REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

Sustainable Sites	1 Point
Site selection	
SS CREDIT 1 Heat Island Effect-non roof Material with a solar reflectant index of at least 29.	<input type="checkbox"/>
Energy & Atmosphere	1 Point
EA CREDIT 4 Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	<input type="checkbox"/>
Indoor Environmental Quality	1 Point
Low-Emitting Materials-Flooring Systems	
IEQ CREDIT 3.1-7 Green Cleaning: Reducing occupants exposure to hazardous cleaning chemicals.	<input type="checkbox"/>
IEQ CREDIT 4.1 Low Emitting Adhesives: Products less than 65 G/L VOC	<input checked="" type="checkbox"/>
IEQ CREDIT 4.3 Low Emitting Materials: Flooring systems.	<input type="checkbox"/>

Materials & Resources	1 Point	2 Points
M&R CREDIT 2 Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	50% <input checked="" type="checkbox"/>	70% <input type="checkbox"/>
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"/>
M&R CREDIT 5 Regional Materials: Materials manufactured within 500 miles of the project site.	10% <input checked="" type="checkbox"/>	20% <input type="checkbox"/>
Innovation in Design	1-5 Points	
ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.	<input type="checkbox"/>	

Type: **Porcelain Stoneware**

Product Line: **Ironclad**

*\*The marketing name for this product is property of Canco's Tile & Stone. This same product may be marketed under different names.\**