

Ironclad ————— *porcelain tile & slabs*



CANCOS
TILE & STONE

Ironclad
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

**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

**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

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

Ironclad 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

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

Ironclad 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

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

Suggested Applications



Floor



Wall



Residential



Light Commercial



Heavy Commercial
*Wear can vary greatly. please consult with a professional.

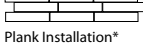


Exterior



Pools

Installation Suggestions



Plank Installation*

*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.



Modular Setting



Joint Size

EDGE:



Straight/Pressed



Rustic



Rectified

FINISH:



Matte



Polished



Structured



Honed



Semi-Polished



Other

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

THICKNESS:

9mm
6mm

OF FACES:

see
color
pages

Slip Resistance

DCOF

.56



Values

0.42

0.65

Applications

Recommended Standard DCOF value
for wet/dry commercial flooring
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°)

ASTM C-1028

ANSI A137.1

DIN 51097/51130

DIN 51097

Class

Typical Applications

Critical Angle

☒ A

Barefoot, but mainly dry aisles and walkways, dry changing areas

≥12°

☐ B

Shower rooms, pool surrounds, wet changing areas, disinfectant spray areas (plus all Class A areas)

≥18°

☐ 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

MOH'S SCALE

UNI EN ISO

10545.6

6

MINERAL

1. Talc (Talc)

2. Gypsum (Fingernail)

3. Calcite (Penny)

4. Fluorite (Some Marbles)

5. Apatite (Knife Blade)

Industry standard ≤175mm²

6. Microline (Glass, Glazed Tile)

7. Quartz (Unglazed Porcelain)

8. Topaz (Granite)

9. Corundum (Ruby)

10. Diamond (Diamond)

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

4

- 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

Water Absorption

ASTM C-373

UNI EN ISO

10545.3



☒ Absorbs 0-.5%



☐ Absorbs .5-3%



☐ Absorbs 3-7%



☐ Absorbs 7% +

☒ Impervious
Interior/Exterior
Frost Resistant

☐ Vitreous
Interior/Exterior
Frost Resistant

☐ Semi-Vitreous
Indoor Use Only

☐ Non-Vitreous
Indoor Use Only

Breaking Strength

ASTM C648

UNI EN ISO

10545.4

>1300
N/MM²



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

Facial Dimension

ASTM c499-09

UNI EN ISO

10545.02

flatness

Standard
± 5mm

Tolerance
± .5%

Result
PASS

thickness

Standard
± 6mm

Tolerance
± .5%

Result
PASS

straightness

Standard
± 4.5mm

Tolerance
± .5%

Result
PASS

squareness

Standard
± 5.4mm

Tolerance
± .6%

Result
PASS

sides L/W

Standard
± 1.1mm
± 4.5mm

Tolerance
± .5%

Result
PASS

Chemical Resistance

ASTM C650

UNI EN ISO

10545.13

Allowances for:

result
Acid ☐ B

Bases ☐ B

Chemicals ☐ B

Leed Information



REQUIREMENTS
FOR COMMERCIAL
INTERIORS/NEW
CONSTRUCTION

Sustainable Sites

Site selection

SS CREDIT 1

Heat Island Effect-non roof

Material with a solar reflectant index of at least 29.

1 Point

Energy & Atmosphere

EA CREDIT 4

Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT

1 Point

Indoor Environmental Quality

Low-Emitting Materials-Flooring Systems

IEQ CREDIT 3.1-7

Green Cleaning: Reducing occupants exposure to hazardous cleaning chemicals.

1 Point

IEQ CREDIT 4.1

Low Emitting Adhesives: Products less than 65 G/L VOC

1 Point

IEQ CREDIT 4.3

Low Emitting Materials: Flooring systems.

1 Point

Materials & Resources

M&R CREDIT 2

Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.

1 Point

2 Points

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%

20%

M&R CREDIT 5

Regional Materials: Materials manufactured within 500 miles of the project site.

10%

20%

Innovation in Design

ID CREDIT 1

Innovation in Design

Measurable exemplary environmental performance.

1-5 Points

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.