

Suggested Applications



Floor



Wall



Residential



Light Commercial

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

Exterior



Pools

Installation Suggestions



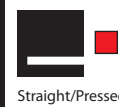
Plank Installation*



Modular Setting

Joint Size
3mm*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

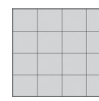


Other

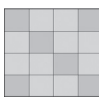
Porcelain Type

☐ through-body☐ color-bodied☒ glazed☐ unglazed☐ double-loaded☐ other _____

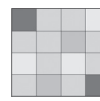
Shade Variation

☐ V1

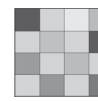
Uniform Appearance

☐ V2

Slight Variation

☐ V3

Moderate Variation

☒ V4

Substantial Variation

THICKNESS:

9mm

OF FACES:

3x3=40
3x10=90
5x10=84
10x10=50
Hex=80

Slip Resistance

DCOF

>0.42



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

8

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

5

- 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%Impervious
Interior/Exterior
Frost Resistant☐ Absorbs .5-3%Vitreous
Interior/Exterior
Frost Resistant☐ Absorbs 3-7%Semi-Vitreous
Indoor Use Only☐ Absorbs 7% +Non-Vitreous
Indoor Use Only

Breaking Strength

ASTM C648

UNI EN ISO

10545.4

48

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

Facial Dimension

ASTM c499-09

UNI EN ISO

10545.02

flatness

Standard
±5mmTolerance
±.5%Result
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 GLA

Bases GHA

Chemicals GA

Leed Information

REQUIREMENTS
FOR COMMERCIAL
INTERIORS/NEW
CONSTRUCTION

Sustainable Sites

Site selection

1 Point

SS CREDIT 1

Heat Island Effect-non roof

☐

Material with a solar reflectant index of at least 29.

Energy & Atmosphere

1 Point

EA CREDIT 4

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

☐

Indoor Environmental Quality

Low-Emitting Materials-Flooring Systems

1 Point

IEQ CREDIT 3.1-7

Green Cleaning: Reducing occupants exposure to hazardous cleaning chemicals.

☒

IEQ CREDIT 4.1

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

☒

IEQ CREDIT 4.3

Low Emitting Materials: Flooring systems.

☒

Materials & Resources

1 Point

2 Points

M&R CREDIT 2

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

50%

70%

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

1-5 Points

ID CREDIT 1

Innovation in Design

Measurable exemplary environmental performance.

Type: Porcelain Stoneware

Product Line: Piccolo

The marketing name for this product is property of IDEAL Tile & Stone. This same product may be marketed under different names.