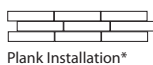


Suggested Applications

Floor ☒Wall ☒Residential ☒Light Commercial ☒Heavy Commercial ☐
*Wear can vary greatly. please consult with a professional.Exterior ☐Pools ☐

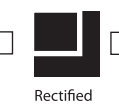
Installation Suggestions



Plank Installation* ☒ Modular Setting Joint Size

*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:

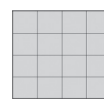
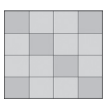
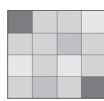
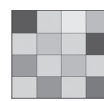
☐ Matte☐ Polished☒ Structured☐ Honed☐ Semi-Polished☒ glossy

Porcelain Type

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

10mm thick

Shade Variation

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

OF FACES:

13 = White Hex
15 = Lotus Hex
1 = White & Blu 10x10
1 = Capri & Giglio
30 = Blue Kit-Kat
71 = Blu 2.5x10
1 = White Kit-Kat
1 = White 2.5x10

Slip Resistance

DCOF



Values

0.42

Applications

Recommended Standard DCOF value
for wet/dry commercial flooring

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

☐ A

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

≥12°

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

≥18°

☐ CAreas 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

4

MINERAL

1. Talc (Talc)

2. Gypsum (Fingernail)

3. Calcite (Penny)

4. Flourite (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

49.2 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

±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

A

Bases

LA

Chemicals

HA

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:

Monaco

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